



SCIENCE & SURGICAL



NPK Medivizion PRODUCT CATALOGUE 2023-2024

MANUFACTURER & EXPORTER OF SCIENTIFIC
LABORATORY, HOSPITAL & EDUCATIONAL EQUIPMENT



+91 93503 16405



info@medivizion.in

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WORKING MODELS



RIPPLE TANK APPARATUS



RIPPLE TANK(METAL)

Dimension:- 450x 450 mm

Ripple tank is a device to illustrate the laws of wave phenomenon-using ripples on the surface of water as the prototypes of all transverse waves. Ripple tank illustrates important wave motions like rectilinear and circular. It can also demonstrate refraction, diffraction and interference of water waves.

Ripple Tank: Comprises a rectangular plastic tank with remove-able transparent tray easily fixed in tank frame. The tank has four detachable legs having levelling screws. Illuminate Assembly Set of 4 barriers, wave generator, light source, pair of clamps, pack of rubber bands, lens, dropper, sponge. power supply.



RIPPLE TANK(PLASTIC)



LINEAR AIR TRACK

LINEAR AIR TRACK APPARATUS

The Air-track is an extremely low friction set of equipment and is ideally suitable for investigating kinetic and dynamic behavior in straight-line motion. Various experiments may be carried out and various terms can be explained with this setup LIKE: Free or accelerated movements, Momentum and energy conservation principles. Linear air track is a Triangular section aluminum alloy track, with two rows of air holes through which air emerge forming air cushion on which the vehicles float. To demonstrate kinetic energy, concept of velocity acceleration, The kit includes various gliders, which float on the air cushion, together with a large number of attachments to permit a comprehensive range of experiments Complete unit with accessories.

Variants: 1.2m, 1.5m, 2m

VAN DE GRAAFF GENERATOR (HAND DRIVEN)



Hand operated, mounted on base. For the generation of electric charge, useful in electrostatic. Comprises a near spherical dome supported on top of an insulated, pillar on the base. A removable flat rubber belt rotates through rollers and results in the accumulation of charge on the dome, until electrical breakdown of air surrounding the sphere occurs. With sufficient charge build up on the dome, bringing the earthed discharge sphere sufficiently close to it results in the transfer of charge from dome to ground in the form of electric spark. Earthing socket provided on the base. Supplied with metal sphere, discharging sphere, and other accessories to show electrostatic charge.

VAN DE GRAAFF GENERATOR (MOTOR DRIVEN)



Specially designed for electrostatic experiments and where continuous source of high voltage is required. Fitted on base with smooth running DC Motor, operates on 220 volts A.C. 50 Hz. For the generation of electric charge, useful in electrostatic. Comprises a near spherical dome supported on top of an insulated, pillar on the base. A removable flat rubber belt rotates through rollers and results in the accumulation of charge on the dome, until electrical breakdown of air surrounding the sphere occurs. With sufficient charge build up on the dome, bringing the earthed discharge sphere sufficiently close to it results in the transfer of charge from dome to ground in the form of electric spark. Earthing socket provided on the base. Supplied with metal sphere, discharging sphere, and other accessories to show electrostatic charge.

WIMSHURT MACHINE

The Wimshurst machine systematically collects accumulated induced charge as a discs with equally spaced aluminum foil sections spin in opposite directions past collecting brushes. The accumulated charge can then be arced between adjustable spark gap electrodes. The discs are supported by two rigid uprights and driven by a belt via a hand crank. It has two large Leyden jar condensers constructed from Coming glass and aluminum foil. This Wimshurst is mounted on a wooden base



WORKING MODELS



TICKER TAPE TIMER



Ticker timer is designed to measure the velocity and acceleration, using timing marks made on a Moving paper tape by a vibrating. Supplied with a roll of self marking paper tape, pack of carbon discs

DYNAMIC TROLLEY



Dynamic Trolleys, Wooden (Pair). A high quality pair of Wooden Trolleys. 300mm long. Mounted on three wheels. A spring loaded rod is fitted to give impulse when released

The high quality, unique design of the dynamics kit produces reliable and accurate result each time. The compact nature of the track overcomes the inconvenience of storing huge runways and the triple wheel guide of the track ensures that the trolley runs straight with the minimum of friction. It is also not necessary to calibrate the ticker timer before each investigation. The dynamic kit provide an efficient and convincing format for demonstration and project work giving repeatable results. Students can carry out investigation into kinetic energy, motion on an inclined plane, momentum, force on a mass, elastic collisions, transfer of energy, simple harmonic motion and many more. Comes complete with all accessories required to carry out the whole range of experiments associated with Dynamics.

KINETIC THEORY MODEL



For demonstration of the kinetic theory of gases explaining the molecular motion of the gases, thinning of air with increasing altitude, increase in pressure / volume with temperature etc. Comprises clear Perspex cylindrical tube mounted on a plastic enclosure with a rubber diaphragm at its lower end and a loose fitting metal cap at its upper end. Just underneath the diaphragm, a piston connected to a low voltage DC motor through eccentric cam, is provided for producing oscillatory motion or vibration of the diaphragm. A pair of colour-coded 4mm socket terminals provided for electrical connection. Includes metal spheres 1/8" and free-sliding cardboard discs for loading at the top.

DIGITAL TIMER WITH OPTICAL GATE

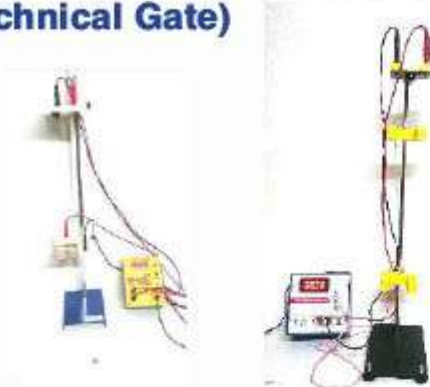


To measure the accurate time, velocity & acceleration for the collision and G by free fall experiment. We can use this precise intelligent timer. Two photo gates incorporated with photo diode and phototransistor are provided with this timer to sense the time, speed and acceleration for cart. timer accuracy (0.01s, 0.001s) come with digital timer, 2 photo gate, connecting lead, stand for photo gates.

WORKING MODELS



"G" BY FREE FALL APPARATUS (Mechanical Gate)



MECHANICAL GATE

OPTICAL GATE

For determination of 'g' (the gravitational acceleration) by free fall method. The apparatus consists of an electromagnet which is housed in a plastic molded case with 4 mm socket connections provided to energize the magnet and another pair of sockets for connection to a timer in use. To perform the experiment, an electromagnet is energized and a metal sphere is attached. As soon as the power to the electromagnet is switched off the sphere falls and the unit activates the timer. When the sphere hits the gate which is housed in plastic molded case which is connected with the timer. Timer get stop and the time of fall can be determined.

DEMONSTRATION TRANSFORMER



This apparatus has been designed primarily for demonstration of the basic principles of the a.c. transformer. The various coils and cores will also serve as the basis of many experiments in electromagnetism, using either direct or alternating current. Apparatus consist of E - I core, 220v ac main's coil, 6 volts coil, 12 volts coil

CLINOSTATE



For demonstrations of heliotropism and geotropism. Germinating seedlings are pinned to the cork table which is rotated by an electric motor at four revolutions per hour. The motor is spindle mounted and may be clamped by a thumbscrew so that the plane of the table can be set at any angle between horizontal and vertical. An transparent plastic cover is provided for the cork table.

HYDRAULIC PRESS



To teach Pascals Law and application of hydraulic press. By alternately applying force on a large and small piston, students will experience the mechanical advantage of one over the other. This device can be used to discuss the many uses of hydraulics such as power steering, hydraulic jacks, shock absorbers and auto braking systems

MANOMETER

A manometer could also be referring to a pressure measuring instrument, usually limited to measuring pressures near to atmospheric. U-shaped glass tube mounted on plastic stand for use as a manometer, with a scale 0-150mm reading the level difference between both the arms.



INDUCTION COIL



The induction coil provides very high voltages "several tens of thousands of volts" from a DC source. The principle is based on a step-up transformer comprised of a primary winding, a few tens of turns, and a secondary winding, hundreds of thousands of turns. To produce permanent sparks.

MELD'S APPARATUS



Designed to show the effects of vibrations in a stretched cord, and investigate the relationship between frequency, tension and density.

NEWTON'S COLOUR DISC (Manual)

For demonstrating that white light may be composed from all the spectral colors by rotation of multi-colored disc. Comprising a multicolored disc mounted on base.



NEWTON'S COLOUR DISC (Electric)

For demonstrating that white light may be composed from all the spectral colors by rotation of multi-colored disc. Comprising a multicolored disc mounted on base with "AA" type cell holder.



GOLD LEAF ELECTROSCOPE



In sheet metal case, with removable glass window and fitted with 4 mm earthing socket. A metal disc passes through an insulating polythene bush and ends in a flat support for gold leaf. With a scale to show quantum of deflection. Apparatus come with gold leaf.

FORCE TABLE



This student force table is a complete set that features a dual scale, an outer scale for accurate pulley positioning and an inner scale for orienting a tracing paper overlay. The set includes four complete slotted weight sets, four pulleys with clamps and strings that allows students to investigate the equilibrium of four forces. Complete apparatus fixed on metal base with adjustable leveling screw.

ELECTROLYSIS



Electrolysis is a process of decomposition of water into oxygen and hydrogen gas due to passage of electric current, come with copper and aluminum electrode.

FLOATING MAGNET

Demonstrates the repulsion between like poles of magnets. Comprises annular ceramic ring magnets. Covered in different colours of plastic cover and supported on a vertical non-magnetic rod mounted on base. The magnets are axially polarized, i.e., north/south poles along the flat surfaces of the magnet. The repulsion between the magnets simulates floating effect.



MAGNETIC FIELD CHAMBER



Demonstrates three dimensional nature of magnetic field associated with cylindrical magnets. Comprises a hollow chamber of clear acrylic with a tunnel at its center to hold cylindrical magnets. The chamber has high quality iron filings, which aligns itself as per the magnetic field geometry of the magnet. Also allows magnets of other shapes to be investigated by simple positioning their poles adjacent to any side of the chamber.

ELECTROMAGNET



electromagnet is design in U-shape with armature on both end. When electric current runs through both coils of copper wire, it produces a magnetic field. Test the load limit of this U-shaped magnet using the attached armature. Perfect for physics demonstrations teaching students about electricity and magnetism.

EDDY CURRENT APPARATUS

When graphed, these circular currents within a piece of metal look vaguely like eddies or whirlpools in a liquid. By Lenz's law, an eddy current creates a magnetic field that opposes the change in the magnetic field that created it, and thus eddy currents react back on the source of the magnetic field



MAGNETIC FIELD DEMONSTRATION



Magnetic Field Demonstration Kit

- Magnetic Field Pattern due to a Circular Loop Carrying Current
- Factors affecting the strength of magnetic field
- Magnetic Field Around a Wire
- How intensity of magnetic field depends on the number of turns

Magnetic field due to current carrying solenoid

FLOATING RING EXPERIMENT



An alluminium ring floating upon an alternating magnetic field. This is due to the the eddy current induced by the magnetic filed flowing thru the ring

WORKING MODELS



CURRENT BALANCE



The force acting on a current-carrying conductor loop in a uniform magnetic field (Lentz force) is measured with a balance. Conductor loops of various sizes are suspended in turn from the balance, and the Lorentz force is determined as a function of the current and magnetic induction. The uniform magnetic field is generated by an electromagnet. The magnetic induction can be varied with the coil current.

SOLENOID

Solenoid helps investigate the magnetic field of a long coil. It can also be used with the Current Balance as an accessory to measure the force on a conductor in a magnetic field.

INDUCED CURRENT COIL



Consisting of primary enameled copper wire wound on insulated former with terminals, which slides inside secondary coil of thinner gauge copper wire mounted on a base with 4mm terminals. A soft iron core fits inside the primary coil.



DYNAMO MODELS

DEMONSTRATION DYNAMO MODEL



**DYNAMO AC / DC
WITH MOTOR BIG**



DYNAMO AC/DC

Working model of electricity generator or dynamo make a hand operated generator and show glow of led by generating electricity. It will help kids to learn basics of electricity generation using mechanical energy

ELECTRIC MOTOR MODEL



MOTOR MODEL SMALL



MOTOR MODEL 2 POLE

A model of the simplest form of d.c. Electric motor, having 3-pole armature wound with enamelled copper wire operated on 6-10v dc 3 Amp max.

WORKING MODELS



ELECTRIC MOTOR MODEL



A model of the simplest form of d.c. Electric motor, having 2-pole, 3 -pole armature wound with enamelled copper wire, and a permanent magnetic field provided by a removable bar magnet. A disc-type commutator is incorporated and external connection to the phosphorbronze bushes is by means of a pair of 4 mm.Sockets. The motor will operates on 6-8 volts d.c.

HYDRO WATER TURBINE

To show conversion of mechanical energy into electrical energy. Turbine with transparent cover, inlet and outlet tubes, directly connected to a dynamo. Fitted on base.



WORKING MODELS

DIFFERENT TYPE OF CIRCUIT BOARDS & KITS

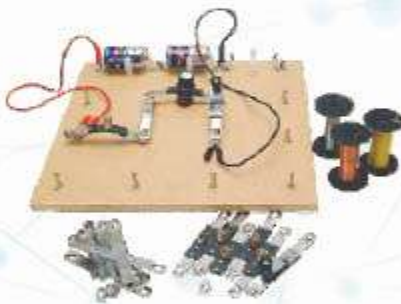


BASIC CIRCUIT BOARD



Circuit board are design to study the basic experiment of physics. these circuit boards can demonstrate different experiments on the principles of physics experiments. these circuit boards are easy to use and handed by the students.

WORCESTER CIRCUIT BOARD



The kit consists of baseboard, terminals, set of metal connection pillars and a number of clip-on connection strips and accessories units, enabling a variety of circuits to be constructed quickly. connection strips are so designed that when flexed a little, they are easily slipped over the pegs on baseboard, where there natural spring holds them in position and ensures good electrical contact.

CIRCUIT BOARD KIT

Circuit board are design to study the basic experiment of physics. these circuit boards can demonstrate different experiments on the principles of physics experiments. these circuit boards are easy to use and handed by the students.

RESISTANCE CIRCUIT BOARD



resistors are the most common elements in the electrical and electronics circiuts. they are used to reduce current flow and adjust signals. our Resistance Circuit Board Single board to perform multiple practicals

- Verification of Ohm's Law
- Conductivity of different materials
- Relationship between length of wire and its resistance
- Relationship between thickness of wire and its resistance.
- Equivalent Resistance in Series and Parallel Arrangement

OIL FILM KIT



Oil film kits for oil molecules experiment is a complete kit for oil molecules experiment. Apparatus come with transparent tray with four detachable legs having leveling screws, small bottle of oil & liquid soap. other accessories.



WORKING MODELS



HOUSE WIRING KIT



House Wiring Kits shows the wiring system in a house. The kit consists of meter connection board, main fuse, main electronic circuit, leakage protection. This kit helps in understanding the function of short circuit protection, function of electric leakage protection.

DEMONSTRATION ELECTRIC BELL



All components of electric bell are mounted on panel. All wiring are visible and all parts are of large size. The bell can be used as a sound source for experiments or can be used as a demonstration model of a bell, operated on 6-12 Volt D.C.

HOOK'S LAW APPARATUS

For demonstrating Hooke's law. Consists of rod mounted vertically on a stable base with graduated scale and provision for its height adjustment. An integrated mass hanger and pointer is attached to the lower end of the spring. Loading the hanger produces extension in the spring which can be read from pointer position along with scale. Supplied with 4 X 20g slotted weights.



NEWTON'S 1ST LAW



Demonstrate inertia and Newton's First Law of Motion. Rest the ball on top of the square that is set on the vertical post. Release the spring and the square is projected out. The ball falls into place on the post, remaining at rest as if nothing happened.

NEWTON'S 2ND LAW



Newton's 2nd law of motion apparatus allows student to prove to themselves that a ball dropped straight to the floor and one shot outward will hit the group at the same time. Student keeps both steel balls in position on the base and propel them at the same instant using the spring plunger. It comes with 2 steel balls.

NEWTON'S 3rd LAW

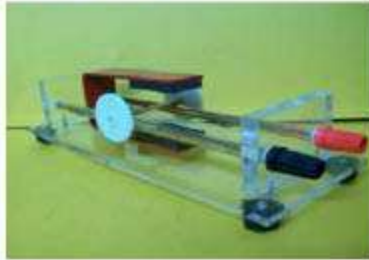


Newton's Third Law, which states that for every action, there is an equal and opposite reaction. Use to illustrate that momentum and kinetic energy are conserved.

WORKING MODELS



LAPLACE RAIL



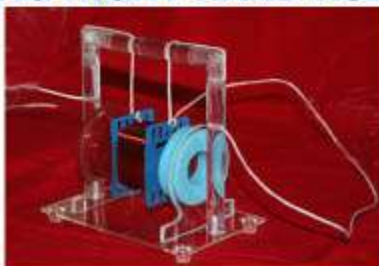
This apparatus demonstrates the force on a conductor in a magnetic field. It consists of a pair of metal rails with 4 mm terminals. A light axle can roll freely along the rails and thus completes the electrical contact between them. A strong U-shaped magnet is required to complete the setup, Place the axle on the rails between the poles of the magnet. When a current flows through the axle, it will be influenced by a force perpendicular to both the axle and the magnetic field.

FLEMING LEFT HAND RULE



When a wire carrying an electric current is moved in a magnetic field of a magnet the magnetic field induced by the wire reacts with the magnetic field of the magnet causing the wire to move outwards. Fleming's left hand rule helps you to predict the movement.

FLEMING RIGHT HAND RULE



Fleming's Right-hand Rule (for generators) shows the direction of induced current when a conductor attached to a circuit moves in a magnetic field. The right hand is held with the thumb, index finger and middle finger mutually perpendicular to each other (at right angles)

WAVE MACHINE (PLASTIC)



Made of plastic. The rotating handle is fitted with a circular scale marked in degrees to indicate the indication. The plastic highlighted tips make easy observation of wave motion.

WAVE MACHINE (METAL)



Demonstrating longitudinal and transverse waves. A number of eccentric discs move a number of metal rods. Transverse waves are obtained by straight rods and longitudinal waves by bent rods

WAVE MACHINE (POWELL'S)



Consisting of 19 spheres, each mounted on a 75 mm long rod, with a collar for attachment to a shaft. The spheres are mounted at 20° intervals, equally spaced along the shaft. The shaft rotates in two pillars mounted on a base.

WORKING MODELS



LEVER APPARATUS



To understand the relationship between moments of force, the amount of force and the length of the lever arm. Includes a meter stick, three knife-edge clamps, support base.

ANEMOMETER



Anemometers are used to measure wind velocity. It uses cup like shapes to catch the wind, causing the device to spin. This working model consists of four moulded plastic cups supported by four arms. The arms are mounted on a low-friction pivot, so that even a gentle breeze will start the cups moving. By counting the number of revolutions, as indicated by the cup, an estimate of the wind speed can be obtained.



INCLINED PLANE (WOODEN)



This inclined plane set provides a hands-on experience testing and demonstrating the principles of basic physics. Use this set to demonstrate the resolution of forces on an inclined plane, uniform and accelerated motions, kinetic and potential energies, and the friction between two surfaces. The complete set includes an inclined plane with a pulley and protractor, plastic cart, a hanging pan to hold the desired weight, two wooden boards of different sizes, and a metal plate. The two scales on the protractor allow angle measurements to be made directly or by trigonometry. Students can determine the coefficients of static and sliding friction and verify the normal and frictional components of the force exerted by the plane.

INCLINED PLANE (METAL)

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WORKING MODELS



OPTICAL BENCH WOODEN



wooden optical bench with complete with six riders . A wooden base board with one meter scale divided into mm. 2 Lens holder V shaped, 1 Needle vertically mounted in a short wooden rod on base. 1 Candle holder on base. 2 different screens .

OPTICAL BENCH SINGLE ROD



Single rod optical bench , consists of a single square section rod, graduated length 1 meter, fitted on stands with leveling screw. six sliders with fine index marks and its accessories.

WOODEN OPTICAL BENCH WITH METAL ACCESSORIES



Optical Bench wooden with one side scale divided in mm provided with 4 metal riders. Two of the sliders have transverse motion, two lens holders, two optical pins

OPTICAL BENCH DOUBLE ROD



Optical Bench double Rod Consists of two metal rods one of the rod evenly divided in mm. Supported on heavy cast iron feet. Four heavy metal slider and with accessories. Two of the sliders have transverse motion, two lens holders, two optical pins. 1.2 & 1.5 Meter with Both Rod Stainless Steel Pipe Covered.

HARTL OPTICAL DISC



Designed to demonstrate laws of reflection and refraction in optics. The set consists of a rotatable disk with a 360 degree graduated scale, a ray light box / laser ray box on a rotatable arm with 9V, battery a sturdy stand, and a set of magnetic lenses. Optical elements for refraction are semicircular, biconvex, biconcave, right angle prism all lenses made of acrylic with magnets so that they attach firmly to the rotatable disc.

RAY TRACK APPARATUS



Designed to demonstrate laws of reflection and refraction in optics. The set consists of a rotatable disk with a 360 degree graduated scale on wooden base, come with ray light box / laser ray box operated with 9V battery and set of 8 lenses.

WORKING MODELS



LASER OPTICAL TANK



The angle of incident and refractive rays are easily seen with the help of a built-in laser as its light source. Add water up to the tank's midline and create a surface that precisely transmits and reflects the laser beam for student observations. The laser revolves around the circular graduated scale and can be set at any point. Students can easily observe light rays as they travel from air into water, water into air, and water into water.

LIGHT GUIDE DEMONSTRATION

An S-shaped acrylic bar which can be used to demonstrate total internal reflection and help students to understand the principles of optical communications.



RAY OPTIC KIT

An excellent light source and kit of lenses, prisms, mirrors, and filters for teaching reflection, refraction and colour mixing. All the acrylic lenses and prisms have a small handle to avoid touching and smearing the optical surfaces. All packed in a foam lined box.

RAY BOX



Ray Box made of plastic with L.E.D light but runs much cooler than conventional incandescent lamp models. It uses the latest cool ultra bright LED technology giving superior light. Supplied complete with slit plates and lens.

PRIMARY COLORS



Great for educating everyone on how colors mix. When turned on, the red, green, and blue colors come up in such a way that they intersect with each other. You can have 2 or 3 intersecting to show the resulting color.



WORKING MODELS

GEOGRAPHICAL MODELS



SOLAR LUNAR MANUAL



PHASES OF MOON MANUAL



SEASON APPARATUS MANUAL



TIME INDICATOR MANUAL



DAY NIGHT MANUAL



SOLAR LUNAR ELECTRIC



PHASES OF MOON ELECTRIC



SEASON APPARATUS ELECTRIC



DAY NIGHT ELECTRIC



SOLAR SYSTEM MODEL



SOLAR SYSTEM MODEL NEW



SOLAR SYSTEM ELECTRIC



SOLAR SYSTEM ELECTRIC



SOLAR SYSTEM ELECTRIC



SOLAR SYSTEM ELECTRIC

WORKING MODELS

TABLE TOP ENGINE MODELS



PETROL ENGINE 2 STROKE



DIESEL ENGINE 2 STROKE



PETROL ENGINE 4 STROKE



DIESEL ENGINE 4 STROKE



ROTARY WANKEL ENGINE



TURBOJET ENGINE



GAS ENGINE 2 STROKE



GAS ENGINE 4 STROKE



STEAM ENGINE EXTERNAL



STEAM ENGINE WITH DYNAMO



STEAM ENGINE ELECTRIC



STEAM ENGINE MANUAL



STEAM ENGINE ELECTRIC WITH PRESSURE GAUGE



WATER TURBINE MODEL



PURE REACTION TURBINE

P16

WORKING MODELS



BOYLE'S LAW APPARATUS



For demonstrating Boyle's Law. The apparatus consists of a wide bore strong tube mounted in a vertical position in front of a scale graduated . A Bourdon gauge is provided for the measurement of pressure. The gauge is fitted with a pressure chamber which contains oil (supplied in a separate container). With the increase of pressure in the oil chamber, oil moves into the tube. Volume and actual pressure of the contained air can be read directly. The tube is covered with a rigid safety screen. The tube, Bourdon gauge and safety screen are fixed on a base.

The apparatus illustrates accurate readings over a wide range of pressure. Two glass tubes, one with closed top and other open one connected together by a piece of flexible tubing, running parallel to one another on metal rods. This allows one of the tubes to be raised higher or lower than the other and then locked in place. This unit stands vertical on a metal base. Supplied without mercury..

RESONANCE APPARATUS

It consists of a tube 100cm long, 25mm dia mounted on a stand which is fitted with leveling screws. The lower end of the rubber tubing provided is connected to the glass reservoir which slides on a metal rod and can be raised or lowered for adjusting the length of column of air. It is used to measure the velocity of sound waves in air at room temperature by using a tuning fork.

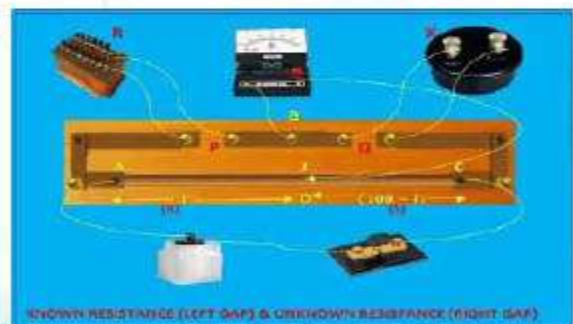


POTENTIOMETER



Potentiometer with Pencil Jockey, Comprising 24 SWG constantan wire stretched along a meter scale, subdivided in cm and mm clamped with brass plates. The terminating strips are provided with heavy duty 4 mm socket terminals and the whole is mounted on a polished hardwood baseboard.

METER BRIDGE APPARATUS (WHEATSTONE BRIDGE)



Comprised of a hardwood base 1.1 meter long with laminated top and plastic feet. A meter long constantan resistance wire, 24 swg, is stretched along a meter scale graduated in MM. fitted on this base. Each end of the wire is firmly and precisely attached to brass strips. Three more copper strips are fixed parallel to the wire providing four gaps. Electric connections are made through 4mm socket binding post terminals. Supplied with a knife- edge jockey to make contact with resistance wire and the galvanometer (not supplied).

WORKING MODELS



SONOMETER APPARATUS



Comprising a wooden resonance box with two rules 1 meter long. Brass and steel wire of different diameter attached to fixed bridge and tensioned by fine adjustment pegs, two moveable bridges, pulley and fixed screw to enable a third wire to be fixed for tensioning by masses. Comprising a wooden resonance box of 114 cm length, 12.5 cm width and 10 cm height, with two rules 1 meter long sub-divided into millimeters. One each brass and steel wire of different diameter attached to fixed bridge and tensioned by fine adjustment pegs, two moveable bridges, pulley and fixed screw to enable a third wire to be fixed for tensioning by masses. One each additional wire of steel and brass, each 1.5 m long and of 22 SWG.

PARALLELOGRAM OF FORCES (ROUTINE)

This apparatus demonstrates the relationship between forces acting at a point. Comprised of a board, two pulleys with clamps and 3 X weight set. This apparatus demonstrates the relationship between forces acting at a point. Comprised of a board, two pulleys with clamps and 3 X weight set.



PARALLELOGRAM OF FORCES

For demonstrating the concept Parallelogram and polygon law of forces, and Lami's theorem. Also shows the static equilibrium under the effect of various forces. Comprises with wooden board, two pulleys, clamps for mounting on board in any desired position. Complete with three mass hangers and slotted masses, each of 50g each.

METER SCALE



Best quality, made from wood.

Both edge divided in cms and mms

(i) Half Meter superior OR FULL METER SCALE

(ii) Superior Quality Full

(iii) ISI Marked

(iv) New wood Low cost

CHEMICAL BALANCE



Chemical Balance are widely used for measuring very light weights in various chemical labs, research centers to weight all kinds of chemicals with exactness and their scale has short beam made of high quality brass. These are available as per the requirements of our clients. Chemical balance is valued for its higher accuracy and sensitivity.

PHYSICAL BALANCE



This balance is best suited for schools and colleges. It provides very smooth handling yet It can stand the stress and strain of rough handling. It has an open type brass beam provided with a rider scale and beam supports, the latter extended and shaped to lift the hangers from contact with the knife edges when the balance is at rest. Also fitted with the additional support for pointer arms. Fitted in wooden case having glass windows.

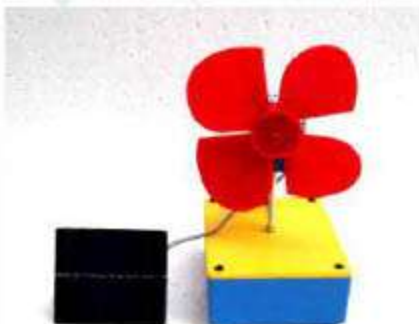
SOLAR ENERGY KIT

This is made wooden kit to demonstrate the generation of electric energy by a wind energy (kinetic energy) or generation of electricity by moving a coil in a magnet. When air strikes the generator blade, it turns the coil of small generator to produces electricity and lights up a LED and a connected voltmeter indicates the amount of current being produced by the generator



SOLAR FAN MODEL

When the part with solar panel is exposed in direct sunlight the Fan starts rotating till the sunlight falls on the solar panel. This shows conversion of solar energy to electromechanical energy



SOLAR WIND DYNAMO

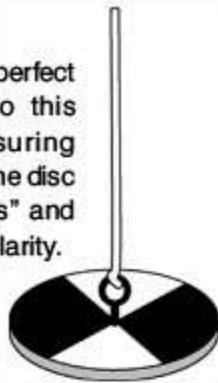
This kit is to demonstrate both concept of Energy i.e. Solar Energy and Wind Energy (Kinetic Energy)

WORKING MODELS



SECCHI DISK

This economy secchi disk is perfect for introducing students to this useful water clarity measuring device. To use, simply lower the disc into water until it "disappears" and record the depth to measure clarity.



MAXWELL WHEEL



Maxwell's Wheel apparatus demonstrates momentum, conservation of energy, and torque. The unit is suspended by two strong cords which are wound around the shaft of the wheel and then released. The wheel will unwind as it falls but will wind itself back up as the momentum carries the wheel upward in the opposite direction. The oscillation process will continue for several moments as the wheel slowly loses momentum and travels less and less each time.

MARBLE LAUNCHER



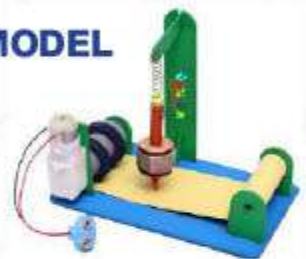
A fun way to learn about velocity and acceleration. Launch marbles at five different speeds. Safety guide printed directly on the hardwood marble launcher's surface. Protractor is built into the launcher.

PROJECTILE LAUNCHER

For exploring the projectile motion and trajectories. With a release latch that can be adjusted and locked in any desired setting, Supplied with two drilled balls, attached protractor and plumb bob for determination of angle of inclination. Includes a clamp to fasten the apparatus to a table top.



SEISMOGRAPH MODEL



This seismograph model creates a visual representation of the shock waves generated by an earthquake. It can be used to teach both mathematical and geological concepts in an educational setting. Demonstration is conducted by manually pulling the paper strip and recording simple movements made by jumping or moving next to the model.

GYROSCOPE MODEL

Use for study of complex gyroscope physics concepts such as kinematics, angular velocity and angular acceleration and precession decay.



HAND CENTRIFUGAL MACHINE

Hand operated centrifuge machine can be fixed on a bench with the help of a clamp. Works on a worm & spiral gear drive. Comprises of detachable cork handle & centrifuge tubes.



WORKING MODELS



DIP CIRCLE



Dip circles (also dip needles) are used to measure the angle between the horizon and the Earth's magnetic field (the dip angle). They were used in surveying, mining and prospecting as well as for the demonstration and study of magnetism.

MELDE'S APPARATUS



Melde's apparatus show the effects of vibrations in a stretched cord. The rod has a small hole at one end for the attachment of thread which passes over a pulley mounted on a bench clamp and supports a scale pan, Can be used in vertical and horizontal position with electrically maintained tuning forks.

DYNAMIC CART SET

For experiments in velocity, acceleration, momentum, elastic collisions etc. The plastic carts has deep wells for additional masses, includes two spring loops for elastic collisions.

DYNAMIC TROLLEY



The high quality, unique design of the dynamics kit produces reliable and accurate result each time. The compact nature of the track overcomes the inconvenience of storing huge runways and the triple wheel guide of the track ensures that the trolley runs straight with the minimum of friction. It is also not necessary to calibrate the ticker timer before each investigation. The ticker timer DC has been factory set to strike approximately at the specified frequency. The dynamic kit provide an efficient and convincing format for demonstration and project work giving repeatable results. Students can carry out investigation into kinetic energy, motion on an inclined plane, momentum, force on a mass, elastic collisions, transfer of energy, simple harmonic motion and many more. Comes complete with all accessories required to carry out the whole range of experiments associated with Dynamics.



WORKING MODELS



AMPERE'S LAW DEMONSTRATION



To demonstrate Ampere's rule using this apparatus, arrange the compasses around the wire, attach the wire to a power supply (not included), and turn it on. The electrical current will cause the compass needles to change directions.

RHEOST



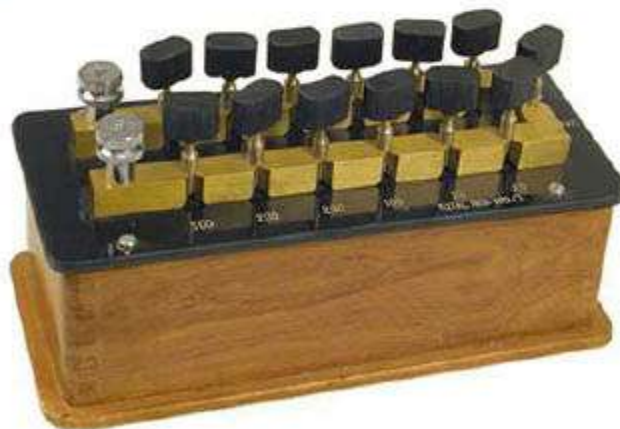
Rheostats provide a variable resistance in electrical circuits. Oxidized constantan wire is wound on vitreous enameled tube. Sliding contact carriage, mounted on the slide bar, carries a phosphor bronze contact for long life. 3 binding posts, one at each end of the winding and the other at the end of the slide bar for electrical connections.

OERSTED'S LAW

For demonstrating the relationship between magnetism and magnetic effect of electric current flowing in a wire



RESISTANCE BOX



All plugs are turned to a fine standard taper and are interchangeable. These are moulded in fluted plastic tops. The brass blocks are undercut and are fitted to a thick insulating plate. Heavy 4 mm brass terminals are used.

WORKING MODELS

ELECTRONIC APPARATUS



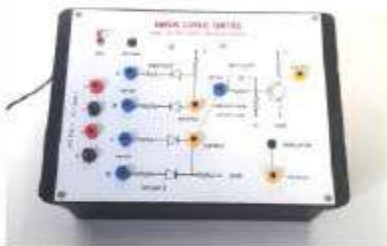
ZENER DIODE CHARACTERISTICS APPARATUS



F.E.T. CHARACTERISTIC CURVE APPARATUS



OHM'S LAW APPARATUS



OHM'S LAW APPARATUS



F.E.T. CHARACTERISTIC APPARATUS

EDUCATIONAL TRAINERS FOR SCHOOL & COLLAGES



ZENER DIODE CHARACTERISTICS APPARATUS



STUDY OF HALF & FULL WAVE RECTIFIER



SEMI CONDUCTOR/P.N. JUNCTION DIODE CHARACTERISTIC APPARATUS



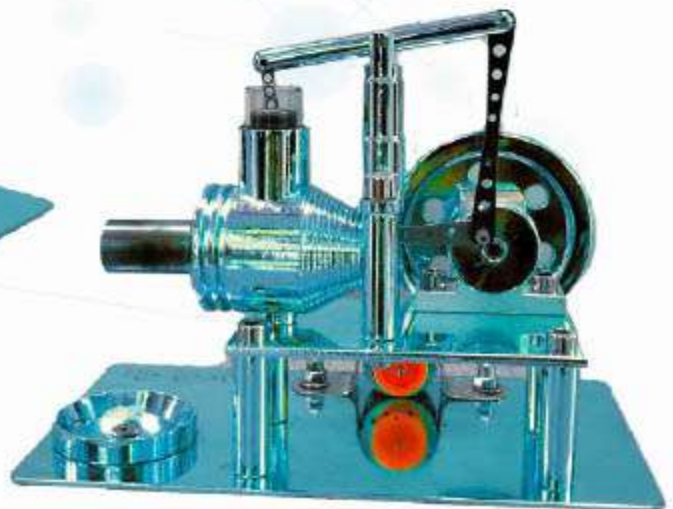
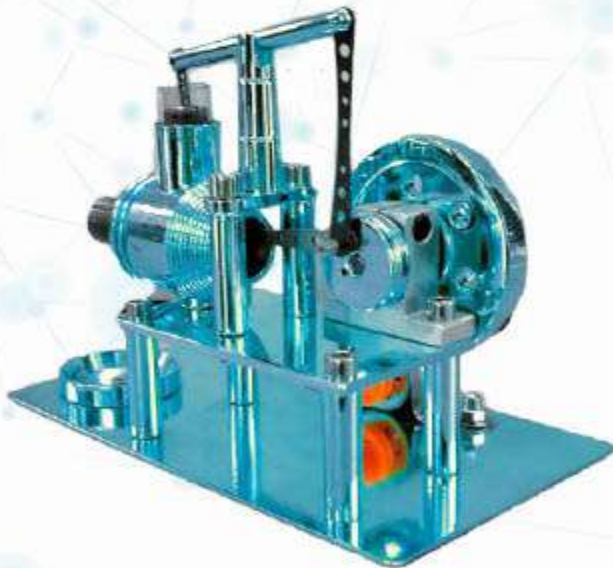
TRANSISTOR CHARACTERISTICS APPARATUS WITH REGULATED POWER SUPPLY



TRANSISTOR CHARACTERISTICS APPARATUS



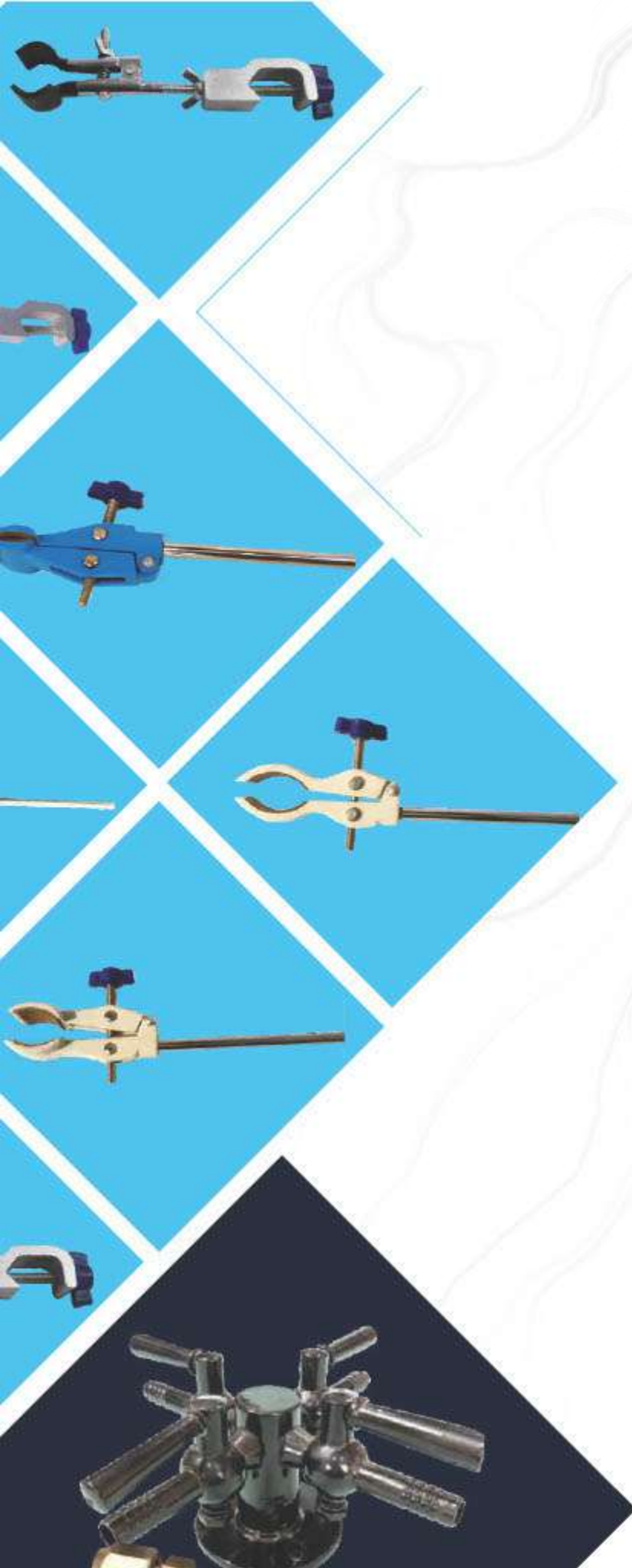
COMING SOON...





Clamp

- ❖ boss head
- ❖ tripod stand
- ❖ retort stand
- ❖ burners
- ❖ laboratory jack
- ❖ laboratory tong
- ❖ laboratory water tap



B

Bar & Gauge
Beaker Tong
Bending of beam apparatus
Bifilar Pendulum (Iron)
Boss Head (Square)
Boss Head
Bunsen Burner
Bunsen Burner
Bunsen Burner
Bunsen Burner
Bunsen Burner Completely Brass Made
Bunsen Burner Needle Valve
Bunsen Burner with flame spreader
Burette Clamp

C

Chattaway Micro Spatulas
Clamp Co-Axial (Three prong)
Compound Bar Pendulum
Compound Bar Strip
Condenser Clamp
Condenser Clamp
Control Valve
Cork Borer
Cork Borer German Type
Cork Borer Machine with Borer
Crucible Tong
Cube Set of Six Metal

D

Diffragating Spoon
Double Burette Clamp

F

Filler Pump
Flask Tong
Four Finger Clamp (Cross Pattern)
Four Finger Clamp (Cross Pattern)
Four Finger Clamp (Cross Pattern)
Furnace Tong

G

Gas Tap
Gas Tap
Glassware Drying Rack

H

HOFFMAN'S Screw Clip

I

Inertia Table Moment

J

Jumbo Clamp (Four/Three prong)
Jumbo Clamp (Three prong)

K

K. Constant Spring
Kater's Pendulum

L

Laboratory Gas Tap available in 90° & 180°
Laboratory Jack
Laboratory Water Tap
Laboratory Water Tap

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Macker Burner
Maxwell Vibration Needle
Melde's Apparatus
Micro Spatulas

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Optical Bench

P

Pannel mounted valve for fume hood
Pendulum Bob
Pendulum BOB Stand
Poisson Ratio of Rubber Tube Apparatus
Polypropylene Laboratory Sink

R

Reducer
Retort Ring
Retort Stand 202 grade
Retort Stand
Retort Stand Bend Type
Retort Stand Heavy Sheet Full Bending Base
Ring & Ball
Rising table with capillary
RS 126-A Retort Stand Bend Type
RS 129 Retort Ring
RS 136 TECLU BURNER
RS 162 - Spirit Lamp
RS 172 Tripod Stand
RS 177 -Resonance App
RS 182 - Viscosity app
RS 182-A Viscosity app

S

Slotted Weight with hangerz
Slotted Weight with hook
Sono Meter Brass Fitting
Spatulas

T

Three Prong Aluminium Clamp
Three Prong Brass Clamp
Three Prong Clamp
Three Prong Clamp
Torsion App
Torsion Pendulum
Tripod Stand

U

Universal Clamp

W

Water Tap

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CLAMPS



Burette Clamp



Fisher Type die pressed sheet made of mild steel & powder coated, to hold one burette

Cat. No.	Type	Remark
GM 101	Mild Steel, Powder Coated	
GM 101-A	Mild Steel, Chrome Plated	

Burette Clamp



Fisher Type die pressed sheet to hold one burette.

Cat. No.	Type	Remark
GM 102	Mild Steel, Powder Coated	

Double Burette Clamp



Aluminium pressure die casting

Cat. No.	Type	Remark
GM 102-A	Aluminium, Powder Coated, Holds 2 Burette	
GM 102-B	Aluminium, Powder Coated, Holds 1 Burette	

Double Burette Clamp



Die pressed

Cat. No.	Type	Remark
GM 102-C	Mild Steel, Powder Coated	
GM 102-D	Mild Steel, Chrome Plated	

Universal Clamp



to hold upto 12mm to 50mm with 7" m.s., chrome plated rod

Cat. No.	Type	Remark
GM 105	Sheet made die pressed, spring controled, locked by screw nut, cork lined jaws, powder coated	

Burette Clamp



Capacity hold upto 50mm dia with 7" rod cork lined.

Cat. No.	Type	Remark
GM 103	Brass casting, Chrome Plated, Heavy Duty	
GM 103-A	Al-alloy die casting, Mild Steel Rod Chrome Plated	

CLAMPS



Burette Clamp



with attached boss head, movement in any angle.

Cat. No.	Type	Remark
GM 106	Swivel type, Sheet Made, die Pressed, Powder Coated, hold upto 50mm dia	

Three Prong Clamp



with attached boss head, movement in any angle.

Cat. No.	Type	Remark
GM 107	Aluminium made, Jaws dip coated swivel hold upto 90mm dia	

Condenser Clamp



Cork lined, finish powder coated.

Cat. No.	Type	Remark
GM 108	Made of al-alloy die casting, hold upto 75mm dia, Chrome Plated 7" rod,	
GM 108-A	Made of Brass casting, powder coated, hold upto 75mm dia, Chrome Plated 7" rod,	

Universal Clamp



Cork lined, finish powder coated.

Cat. No.	Type	Remark
GM 109	Made of al-alloy die casting, hold upto 75mm dia, with M.S. Chrome Plated 7" rod,	

Four Finger Clamp (Cross Pattern)



Cork lined, finish powder coated.

Cat. No.	Type	Remark
GM 110	Made of al-alloy die casting, hold upto 90mm dia, with M.S. Chrome Plated 7" rod,	

Three Prong Clamp



Jaws are dip coated

Cat. No.	Type	Remark
GM 113	al-alloy die casting, powder coated holds upto 90mm dia with 7" M.S. chrome plated rod	

All Clamps are available in 9" and 12" rod also as per requirement.

CLAMPS



Three Prong Brass Clamp



prongs are covered with rubber tube

Cat. No.	Specification	Remark
GM 115	Heavy Duty, Superior Quality, Brass made, Chrome Plated, prongs covered with rubber tube, hold upto 90mm dia. 8" Rod made of mild steel, Brass Finish.	
GM 115-A	Regular Quality, Chrome Plated, prongs covered with rubber tube, hold upto 90mm dia. 8" Rod made of mild steel, Brass Finish.	
GM 115-B	Boss Head Cast Iron, hold upto 18mm. with brass thumb screw.	

Three Prong Aluminium Clamp

jaws are rubber tube covered

Cat. No.	Type	Remark
GM 114	al-alloy die casting, powder coated holds upto 90mm dia with 7" M.S. chrome pated rod	
GM 114-A	Same as above in Iron Screw	



Four Finger Clamp (Cross Pattern)



PVC dip coated, with thumb screw

Condenser Clamp

PVC dip coated, with thumb screw

Cat. No.	Type	Remark
GM 111	Made of brass die casting, chrome plated, hold upto 90mm dia, with M.S. Chrome Plated 7" rod,	
GM 111-A	Heavy quality, Made of brass die casting, chrome plated, hold upto 90mm dia, with Quality 9" Rod with dia 10mm	
GM 115-B	Boss Head Cast Iron, hold upto 18mm. with brass thumb screw.	

Cat. No.	Type	Remark
GM 112	Made of brass die casting, hold upto 75mm dia, with M.S. Chrome Plated 9" rod,	
GM 115-B	Boss Head Cast Iron, hold upto 18mm. with brass thumb screw	

All Clamps are available in 9" and 12" rod also as per requirement.



Condenser Clamp



with with chrome plated mild steel rod

Cat. No.	Type	Remark
GM 118	aluminium casting Three finger jaws, adjustable by two independent screw, rod 12" x 3/8,	
GM 118-A	Moulded brass Three finger jaws, adjustable by two independent screw, rod 12" x 3/8,	

Jumbo Clamp (Three prong)



Made of Brass casting jaws are rubber sleeves,

Cat. No.	Specification	Remark
GM 119	Chrome Finish Rod dia 12" x 3/8, Hold upto from 150mm dia articles	

Jumbo Clamp (Four/Three prong)



Made of Al-alloy jaws are rubber sleeves,

Cat. No.	Specification	Remark
GM 116	Three Prong clamp can hold upto 150mm dia articles. M.S Rod, Chrome plated Gmze 12"x3/8	
GM 116-A	Two Prong clamp can hold upto 150mm dia articles. M.S. Rod, Chrome plated size 12"x3/8	

Clamp Co-Axial (Three prong)



Made of Al-alloy/Brass jaws are rubber sleeves,

Cat. No.	Specification	Remark
GM 117	Al-alloy jaws, Spring Controlled adjustable brass nut, hold upto 75mmdia, rod length 12" chrome plated	
GM 117-A	Brass moulding jaws, Spring Controlled adjustable brass nut, hold upto 75mmdia, rod length 12" chrome plated	

All Clamps are available in 9" and 12" rod also as per requirement.

BOSS HEAD



BOSS HEAD

Boss Head



Made of Al-alloy die casting

Cat. No.	Type	Remark
GM 151	Mild steel with moulded Poly propylene thumb screw, holds upto 16 mm dia, powder coated finish.	
GM 151-A	Mild steel with die pressed one piece thumb screw, holds upto 16 mm dia, powder coated finish.	

Boss Head



Brass Casting, Superior Quality

Cat. No.	Type	Remark
GM 152	Can hold upto 18mm dia. Chrome Plated	
GM 152-A	Can hold upto 13mm dia. Chrome Plated	

Boss Head (Square)



Made of Aluminum die casting

Cat. No.	Type	Remark
GM 154	T-type screw, Powder Coated, Hold upto 13mm dia.	

* with Thumb Screw also available

Boss Head



Cat. No.	Type	Remark
GM 152	Die Pressed Sheet made powder coated can hold upto 16mm dia.	

Boss Head



Cast Iron Make, Powder Coated

Cat. No.	Type	Remark
GM 153	T-type screw, can hold upto 13mm dia	
GM 153-A	T-type screw, can hold upto 18mm dia	
GM 153-B	T-type screw, can hold upto 25mm dia	

* with Thumb Screw also available

Boss Head



Aluminum Casting Make, Powder Coated

Cat. No.	Type	Remark
GM 155	T-type screw, can hold upto 16mm dia	

TRIPOD STAND

TRIPOD STAND



Tripod Stand

Cast iron/Sheet Made Having black powder coated triangular top, zinc plated legs and plastic rubber feet.



Cast Iron

Cat. No.	Size (Inches)	Remark
GM 171	6x4	
GM 171/1	6x5	
GM 171/2	7x4	
GM 171/3	7x5	
GM 171/4	7x6	
GM 171/5	8x4	
GM 171/6	8x5	
GM 171/7	8x6	



Sheet Made

Cat. No.	Size (Inches)	Remark
GM 171-A	6x4	
GM 171-A/1	6x5	
GM 171-A/2	7x4	
GM 171-A/3	7x5	
GM 171-A/4	7x6	
GM 171-A/5	8x4	
GM 171-A/6	8x5	
GM 171-A/7	8x6	

RS 172 Tripod Stand

Heavy Cast iron round top black powder coated zinc plated rod and plastic feet.

Cat. No.	Size (Inches)	Remark
GM 172	6x4	
GM 172/1	6x5	
GM 172/2	7x4	
GM 172/3	7x5	
GM 172/4	8x4	
GM 172/5	8x5	
GM 172/6	8x6	



RETORT STAND

RETORT STAND



Retort Stand Heavy Sheet Full Bending Base



Sheet thickness 4mm., Bottom edges covered with rubber sleeves, chrome plated rod.

Cat. No.	Size (Milimeter)	Remark
GM 180	150×100×450×12	
GM 180/1	200×125×12	
GM 180/2	250×150×750×12	

Retort Stand 202 grade



Stainless Steel Base,B ending type, Polish Finished, rust proof base, stainless steel rod.

Cat. No.	Base Size (Milimeter)	Remark
GM 182	8x5x24x12mm	
GM 182/1	9x6x30x12mm	

Retort Stand

Made of cast iron powder coated base mild steel rod chrome plated



Cat. No.	Base Size (Milimeter)	Remark
GM 181	6×18×3/8	
GM 181/1	7x5x24x3/8	
GM 181/2	8x5x24x12mm	
GM 181/3	8x5x24x12mm (1300 gms)	
GM 181/4	9x6x30x12mm	
GM 181/5	10x6x30x12mm	
GM 181/6	12x7x36x12mm	
GM 181/7	12x8x36x12mm	

Retort Stand



Made of mild steel with leveling screw and unbreakable nylon feet powder coated, mild steel rod chrome plated packed in corrugated box.

Cat. No.	Base Size (Milimeter)	Remark
GM 183	6×4×18×3/8	
GM 183/1	7x5x24x3/8	
GM 183/2	8x5x24x3/8	
GM 183/3	8x5x24x12	
GM 183/4	9x6x30x12	

RETORT STAND



Retort Stand Bend Type

Made of mild steel with powder coated heavy base, mild steel rod chrome plated.

RS 126-A Retort Stand Bend Type

Same as above in light base

Cat. No.	Base Size (Millimeter)	Remark (Heavy Base)	Remark (Light Base)
GM 184	6×4×18×3/8	190.00	178.00
GM 184/1	7×5×24×3/8	230.00	216.00
GM 184/2	8×5×24×3/8	250.00	234.00
GM 184/3	8×5×24×12	285.00	on request
GM 184/4	9×6×30×12	430.00	on request
GM 184/5	10×6×30×12	480.00	on request
GM 184/6	12×7×30×12	630.00	on request



Retort Ring



Made of stainless steel, 202 grade wire polish finish, attached aluminium boss head "Thumb" type chrome plated screw.

Cat. No.	Size (inches)	Remark
GM 185	2	180.00
GM 185/1	2□	180.00
GM 185/2	3	180.00
GM 185/3	4	220.00
GM 185/4	5	240.00

RS 129 Retort Ring



Made of mild steel rod powder coated "T" type chrome plated screw.

Cat. No.	Size (inches)	Remark
GM 185	2	78.00
GM 185/1	2□	78.00
GM 185/2	3	80.00
GM 185/3	4	90.00
GM 185/4	5	100.00
GM 185/5	6	120.00

BURNERS



BURNERS

Bunsen Burner



Cat. No.	Specification	Remark
GM 201	Nickel plated burner tube 115 x 13 mm, with rotatable air regulator, mounted on a powder coated, heavy die cast base of 80mm dia, overall height approx 140mm	

Bunsen Burner



High Pressure regulator

Cat. No.	Specification	Remark
GM 202/H	Heavy cast iron powder coated base brass tube, dia 18mm. With spare jet. with Stop Cock for high pressure.	

Bunsen Burner



Low Pressure regulator

Cat. No.	Specification	Remark
GM 202	Heavy cast iron powder coated base brass tube, dia 12mm. With spare jet. without Stop Cock	
GM 202-A	Heavy cast iron powder coated base brass tube, dia 12mm. With spare jet. Cock	
GM 202-B	Heavy cast iron powder coated base S.S. tube, dia 12mm. With spare jet. with Stop Cock	
GM 202-C	Heavy sheet base iron, powder coated base M.S. tube, dia 12mm. With spare jet. with Stop Cock	

Bunsen Burner



Cat. No.	Specification	Remark
GM 203	Heavy cast iron powder coated base with stop cock, Double Walled Brass Pipe with spare jet.	

BURNERS



Bunsen Burner with flame spreader



Cat. No.	Specification	Remark
GM 204	Flame Spreader made of Brass chrome plated Needle Valve type, Heavy sheet metal base and brass chrome plated pipe.	

Macker Burner



Cat. No.	Specification	Remark
GM 206	Made of brass pipe C.P. Heavy cast iron base, powder coated, height 160 mm approx top dia 18mm with stop cock.	
GM 206/1	Made of brass pipe C.P. Heavy cast iron base, powder coated, height 160 mm approx top dia 18mm without stop cock.	

Macker Burner



Cat. No.	Specification	Remark
GM 205	Made of brass pipe C.P. Heavy cast iron base, powder coated, height 180 mm approx top dia 25mm with stop cock.	
GM 205-A	Made of brass pipe C.P. Heavy cast iron base, powder coated, height 180 mm approx top dia 25mm without stop cock.	

RS 136 TECLU BURNER



Cat. No.	Specification	Remark
GM 207	Made of brass pipe chrome plated, 12mm tube dia. Base made of cast iron, with stop cock, powder coated	

BURNERS



Bunsen Burner Needle Valve



Cat. No.	Specification	Remark
GM 208	Base made of cast Iron, powder coated. Needle valve Regulator to adjust flame with 12mm tube dia.	

Bunsen Burner Completely Brass Made



Cat. No.	Specification	Remark
GM 210	heavy pipe, heavy base, adjustable gas and air inlets. Air vents for air regulation. With flame retainer at top, for natural gas & LPG. Without Stop Cock	
GM 210-A	heavy pipe, heavy base, adjustable gas and air inlets. Air vents for air regulation. With flame retainer at top, for natural gas & LPG. With Stop Cock	

Bunsen Burner



Cat. No.	Specification	Remark
GM 209	with sheet made base, rifflled Nozzle, Air Regulator, chrome plat finish. works with both LPG Gas or Natural Gas. Without Stop Cock	
GM 209-A	with sheet made base, rifflled Nozzle, Air Regulator, chrome plat finish. works with both LPG Gas or Natural Gas. With Stop Cock	

Gas Tap



All brass black powder coated goli type Leak proof stop cock. With adopter. (6/8)

Cat. No.	Specification	Remark
GM 211	One Way	
GM 211-A	Two Way	
GM 211-B	Three Way	
GM 211-C	Four Way	

BURNERS



Gas Tap



All brass Chrome Plated square type Leak proof stop cock. 1/2" fitting for gas supply.

Cat. No.	Specification	Remark
GM 212	One Way	
GM 212-A	Two Way	
GM 212-B	Three Way	
GM 212-C	Four Way	

Gas Tap



All brass black powder coated, heavy Leak proof stop cock with adopter(6/8)

Cat. No.	Specification	Remark
CI 213	One Way	
CI 213-A	Two Way	
CI 213-B	Three Way	
CI 213-C	Four Way	

Reducer

Made of brass to joint the copper pipe fitting for gas supply



Cat. No.	Size	Remark
GM 217	6/8 mm	
GM 217-A	10/2 mm	

Control Valve



Made of brass to control flow of Air/Gas. Can be mounted on wall or fix on table

Cat. No.	Size	Remark
GM 214	6/8 mm	
GM 214-A	10/2 mm	

Control Valve



Made of brass to joint the copper pipe fitting for gas supply

Cat. No.	Size	Remark
GM 215	6/8 mm	
GM 215-A	10/2 mm	

Control Valve



Made of brass to joint the copper pipe fitting for gas supply

Cat. No.	Size	Remark
GM 216	6/8 mm	
GM 216-A	10/2 mm	

LABORATORY JACK

LABORATORY JACK



Laboratory Jack

Made of Stainless Steel (304 G), smooth up & down movement, stability on high too.

Cat. No.	Size	Remark
GM 251	120×140	
GM 251-A	150×150	
GM 251-B	200×200	
GM 251-C	250×250	
GM 251-D	300×300	



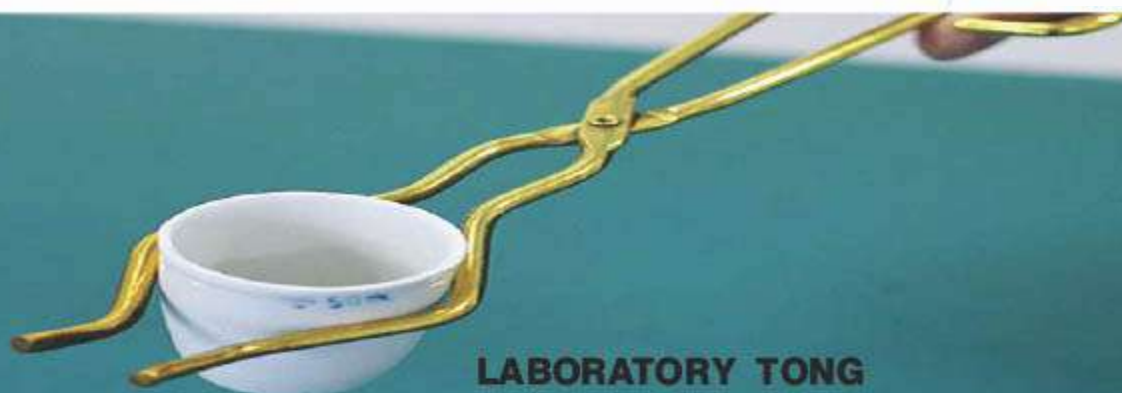
Laboratory Jack

Made of mild steel, black powder coated. Smooth up & down movement, stability on high too.

Cat. No.	Size	Remark
GM 252	120×140	
GM 251-A	150×150	
GM 251-B	200×200	
GM 251-C	250×250	
GM 251-D	300×300	



LABORATORY TONG



LABORATORY TONG

Beaker Tong



Cat. No.	SPECIFICATION	Remark
GM 262	Made of thick Stainless Steel 12" long, wrapped with heat resistant yarn.	
GM 262-A	Made of thick mild steel, chrome plated wire 12" long, wrapped with heat resistant yarn.	

Furnace Tong



Cat. No.	Size (inches)	Type	Remark
GM 264	12	Stainless Steel	
GM 262-A	12	Mild Steel	
GM 262-B	15	Stainless Steel	
GM 262-C	18	Stainless Steel	
GM 262-D	24	Stainless Steel	

Flask Tong



Cat. No.	SPECIFICATION	Remark
GM 263	Made of thick Stainless Steel 12" long, wrapped with heat resistant yarn.	
GM 263-A	Made of thick mild steel, chrome plated wire 12" long, wrapped with heat resistant yarn.	

Crucible Tong



Cat. No.	Size (inches)	Type	Remark
GM 263	6	Stainless Steel	
GM 263-A	6	Mild Steel	
GM 263-B	8	Stainless Steel	
GM 263-C	8	Mild Steel	
GM 263-D	8	Stainless Steel Heavy	
GM 263-E	8	Mild Steel Heavy	
GM 263-F	10	Stainless Steel	
GM 263-G	10	Mild Steel	

LABORATORY TONG



Cork Borer German Type



Cork Borer Machine with Borer



Cat. No.	Remark
GM 266	

All Brass chrome plated, made of heavy pipe for making hole of different sizes in cork.

Cat. No.	Model	Remark
GM 264	Set of Three	
GM 264-A	Set of GMx	
GM 264-B	Set of Twelve	

A cork borer, often used in a chemistry or biology laboratory, is a metal tool for cutting a hole in a cork or rubber stopper to insert glass tubing. Nickel-plated borers included.

Cork Borer

made of brass, Chrome plated

Cat. No.	Model	Type	Remark
GM 265	Set of Three	Brass, Chrome Plated	
GM 265-A	Set of Three	Iron, Chrome Plated	
GM 265-B	Set of Six	Brass, Chrome plated	
GM 265-C	Set of Six	Iron, Chrome Plated	
GM 265-D	Set of Twelve	Brass, Chrome plated	
GM 265-E	Set of Twelve	Iron, Chrome Plated	



LABORATORY TONG



Spetulas

Made of Stainless Steel sheet, heavy, one end spoon and one end flat.

Cat. No.	Size (Inches)	Remark
GM 266	4	
GM 266-A	5	
GM 266-B	6	
GM 266-C	8	
GM 266-D	10	
GM 266-E	12	



Micro Spatulas

Chattaway Micro Spatulas



Made of Stainless Steel, Spoon Type, Spl. use for mercury

Made of Stainless Steel, Spoon Type, Spl. use for mercury

Cat. No.	Size (Inches)	Remark
GM 277	4	
GM 277-A	6	
GM 277-B	8	
GM 277-C	10	
GM 277-D	12	

Cat. No.	Size (Inches)	Remark
GM 278	4	
GM 278-A	6	
GM 278-B	8	
GM 278-C	10	
GM 278-D	12	

LABORATORY TONG



HOFFMAN'S Screw Clip



Brass Chrome Plated.

Cat. No.	Size (mm)	Remark
GM 279	25mm	

Pendulum Bob



Spare

Cat. No.	Metal	Size (mm)	Remark
GM 281-A	Brass	12mm	
GM 281-B	Iron, Chrome Plated	12mm	
GM 281-A/1	Brass	18mm	
GM 281-B/1	Iron, Chrome Plated	18mm	
GM 281-A/2	Brass	25mm	
GM 281-B/2	Iron, Chrome Plated	25mm	

Pendulum Bob



Set of 6 different Metal, dia 12mm, Iron, Brass, Copper, AL, Zinc, Lead

Cat. No.	Size (mm)	Remark
GM 280	12mm	
GM 280-A	18mm	
GM 280-B	25mm	

Cube Set of Six Metal



Iron, Brass Copper, Aluminum, Lead, Zinc.

Cat. No.	Size (mm)	Remark
GM 282	10mm	
GM 282-A	20mm	
GM 282-B	25mm	

LABORATORY TONG



Ring & Ball



All brass best quality with PVC handle.

Cat. No.	Size (mm)	Remark
GM 283	Dia 18mm	
GM 283-A	Dia 25mm	

Compound Bar Strip



Available in different sizes and metals with wooden / PVC black handle.

Cat. No.	Size (Inches)	Remark
GM 286	8	
GM 286-A	10	
GM 286-B	12	

Bar & Gauge



Bar made of Mild steel iron, Chrome plated, Wooden Handle. Gauge made of Brass, Chrome plated, wooden handle.

Available in : 3" & 4" size.

Gauge also available in aluminium.

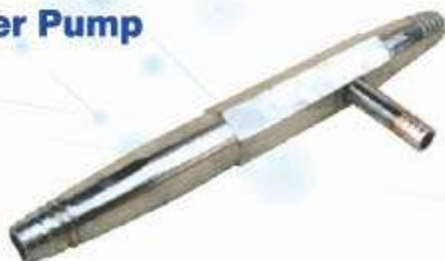
Cat. No.	Size	Remark
GM 284	3 inches	
GM 284-A	4 inches	

RS 162 - Spirit Lamp



Cat. No.	Specification	Remark
GM 287	Stainless Steel	
GM 287-A	Brass	

Filter Pump



All Brass chrome plated, superior quality

Cat. No.	Metal	Remark
GM 285	Brass Chrome Plated	

Bending of beam apparatus



Cat. No.	Metal	Remark
GM 288	Consisting of two G. Clamps with knife top. Comprising a metal powdered coated bar of 100cm length having width 25mm and thickness 4.5mm. A spherometer fitted on a cast iron stand.	

Compound Bar Pendulum



Consists of a powder coated steel bar with a no. of equidistant holes intervals of 5cm. complete with wall bracket and two removable knife edges.

Cat. No.	Metal	Size	Remark
GM 289	Iron, powder coated	100×3.75×0.5cm	
GM 289-A	Brass, chrome plated	100×2.5×0.5cm	

Bifilar Pendulum (Iron)



Cat. No.	Specification	Remark
GM 289	Consists of a heavy cast iron rectangular plate of dimension 15x10x1.5cm. The plate is suspended by two strings of equal lengths from a rigid support (T shaped Clamp)	

Optical Bench



Consists of a powder coated steel bar with a no. of equidistant holes intervals of 5cm. complete with wall bracket and two removable knife edges.

Cat. No.	Specification	Remark
GM 293	1mtr. Iron Rod, Half Shaper	
GM 293-A	1mtr. S,S pipe covered rod, Half Shaper	
GM 293-B	1.5 mtr. Iron Rod, Half Shaper	
GM 293-C	1.5mtr. S,S,pipe covered rod,Half Shaper	
GM 293-D	1mtr. S,S, pipe covered Rod, full Shaper	
GM 293-E	1.5 mtr. S.S. covered Rod, full Shaper	
GM 293-F	1mtr. S.S. Rod, full Shaper	
GM 293-G	1.5mtr. S.S. Rod, full Shaper 18mm Rod	
GM 293-H	1mtr. Aluminium Rod,	

LABORATORY TONG



Poisson Ratio of Rubber Tube Apparatus

Consist of a cycle rubber tube of 1mtr. length with pointer slotted weight hanger, clamp and rubber stopper on a Caste Iron base.



Cat. No.	Remark
GM 284	2100.00



Sono Meter Brass Fitting



resonance box (1140 x100x85 mm), 1mtr. long scale, One brass & steel wire, two movable bridges, pulley and fixed screw.

Cat. No.	Specification	Remark
GM 296	Brass Fitting	
GM 296-A	Aluminium Fitting	

Torsion Pendulum



SS / Brass Pipe 1 Mtr. SS / Brass pipe and meter scale fitted on wooden board with metal cup and Cast Iron base.



Cat. No.	Remark
GM 295	



wirehang from a universal clamp, Solid disc of 12.5 cm dia. 1.25 thickness.

Cat. No.	Specification	Remark
GM 297	5" Brass Dia	
GM 297-A	5" Iron Dia	

LABORATORY TONG



Kater's Pendulum

consist of a rod of 120 cm long 10 cm. dia with two adjustabl knife edges. Two metal weight Cast Iron, Two wooden weights



Cat. No.	Metal	Remark
GM 290	Iron (Powder Coated)	
GM 290-A	Brass	

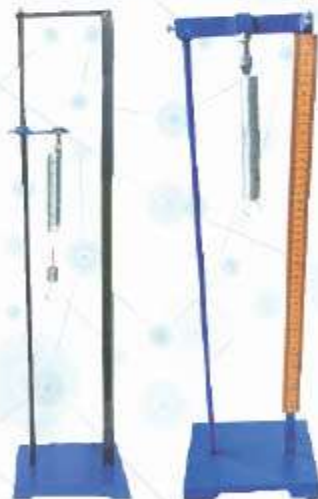
Maxwell Vibration Needle



Graduated, All Brass 40 cm. Two solid brass cylinder and two hollow brass cylinder all over length 10 cm. long, to fill the brass tube and pipe open at both end.

Cat. No.	Remark
GM 292	

K. Constant Spring



Consist with spiral spring, one vertical meter scale, on a spring hanging with a weight, fitted on a heavy Cast Iron Base.

Cat. No.	Size (Inches)	Remark
GM 291	1x30	
GM 291-A	1x24	

Torsion App



Cast iron feet. Two rods one used in it groove moving on ball bearing. Two brass scales graduated in single degree, mounted on pillar supported.

Cat. No.	Size	Remark
GM 298	□ metre	
GM 298-A	1 metre	

LABORATORY TONG

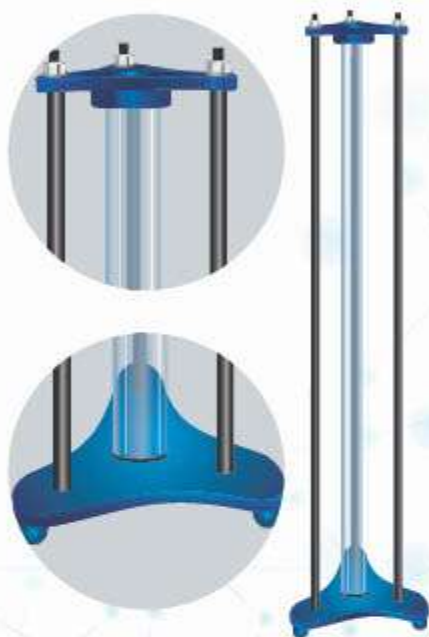


RS 182 - Viscosity app

Stocks method with Borosil Glass Tube

RS 182-A Viscosity app

stocks method w/o Borosil Glass Tube



Cat. No.	Specification	Remark
GM 299	with Borosil Glass Tube	

Simple Pendulum



Iron

Cat. No.	Remark
GM 300	

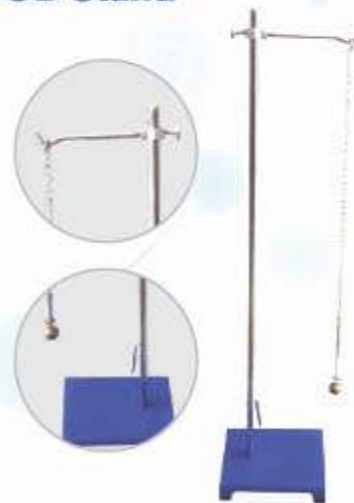
Inertia Table Moment



6" dia with a groove five semi circular masses which fit into groove and four different shapes of masses, Rectangular, Square, Circular and triangular.

Cat. No.	Remark
GM 301	

Pendulum BOB Stand



Heavy sheet made base (6"x4") with 18" chrome plated rod. Pendulum BOB hang on adjustable arm. BOB made of brass.

Cat. No.	Remark
GM 301	

Melde's Apparatus



A Powerful fork which has a frequency of approximately 60 vibrational per second, made of Cast Iron Base.

Cat. No.	Remark
GM 302	

Diffragating Spoon



Made thick wire & disc, Disc completed with rubber cork.

Cat. No.	Remark
GM 303	

Rising table with capillary



Made of heavy cast iron base with adjustable levelling screw. Height adjustable platform. 18" chrome plated rod. with capillary tubes.

Cat. No.	Remark
GM 304	

Slotted Weight with hook

These slotted weights are precisely turned from M.S. rods, carefully adjusted . These slotted weights are supplied in M.S. chrome plated.

Cat. No.	Weight Size	Remark
GM 307	5gms.	
GM 307-A	10gms	
GM 307-B	20gms	
GM 307-C	50gms	
GM 307-D	100gms	
GM 307-E	200gms	



LABORATORY TONG



Slotted Weight with hangerz

These slotted weights are precisely turned from rods, carefully adjusted .



Brass Finish

Cat. No.	Weight Size	Remark
GM 305	5gm×5=25gms.	
GM 305-A	5gm×10=50gms.	
GM 305-B	10gms×5=50gms.	
GM 305-C	10gm×10=100gms.	
GM 305-D	20gms×5=100gms.	
GM 305-E	20gms×10=200gms..	
GM 305-F	50gms×5=250gms.	
GM 305-G	50gms×10=500gms.	
GM 305-H	100gms×5= 500gms.	
GM 305-I	100gms×10=1kg.	
GM 305-J	500gms×5=2.5Kg.	
GM 305-K	1000gms×5=5Kg.	

Mild Steel, Chrome Plated

Cat. No.	Weight Size	Remark
GM 306	5gm×5=25gms.	
GM 306-A	5gm×10=50gms.	
GM 306-B	10gms×5=50gms.	
GM 306-C	10gm×10=100gms.	
GM 306-D	20gms×5=100gms.	
GM 306-E	20gms×10=200gms..	
GM 306-F	50gms×5=250gms.	
GM 306-G	50gms×10=500gms.	
GM 306-H	100gms×5= 500gms.	
GM 306-I	100gms×10=1kg.	
GM 306-J	500gms×5=2.5Kg.	
GM 306-K	1000gms×5=5Kg.	

LABORATORY WATER TAP

Pannel mounted valve for fume hood

Application: Water, Air, Nitrogen Vacuum, made of complete brass, Epoxy coated. Water static pressure 14 bar.

Cat. No.	SPECIFICATION	Remark
GM 351	Valve	
GM 351-A	45° Nozzel	
GM 351-B	90° Nozzel	



90° Nozzle

45° Nozzle



Valve

LABORATORY WATER TAP

LABORATORY WATER TAP



Water Tap



19" heavy brass made body Stainless Steel Pipe 304 grade

Cat. No.	SPECIFICATION	Remark
GM 352	ONE WAY	
GM 352-A	TWO WAY	
GM 352-B	THREE WAY	

Laboratory Water Tap



Made of brass with S.S. Pipe, PVC epoxy coated goose neck 360° swing. Maximum pressure 14 bar. Ceramic head work 1/4 turn.

Cat. No.	SPECIFICATION	Remark
GM 354	THREE WAY	

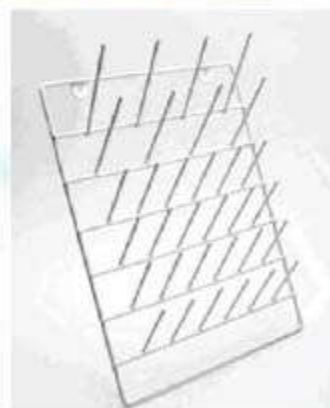
Laboratory Water Tap



Made of brass with S.S. Pipe, bottom size 60mm, PVC epoxy coated goose neck 360° swing. Maximum pressure 14 bar.

Cat. No.	SPECIFICATION	Remark
GM 353	ONE WAY	

Glassware Drying Rack



Available in Stainless Steel & M.S. Powder Coated. Steel Frame work with rows of pegs and two hole for wall mounting. Economical Model. Size : 700mm x 550mm

Cat. No.	MODEL	Remark
GM 357	Stainless Steel	
GM 357-A	Mild Steel	

LABORATORY WATER TAP



Laboratory Gas Tap
available in 90° & 180°



Made of complete brass, EPOXY Coated
Application: Water, Air, Nitrogen, Vacuum

Cat. No.	MODEL 180°	Remark
GM 355	One Way	
GM 355-A	Two Way	
GM 355-B	Three Way	
GM 355-C	Four Way	

Cat. No.	MODEL 90°	Remark
GM 356	Two Way	
GM 356-A	Four Way	

Polypropylene Laboratory Sink

Cat. No.	Size in mm.	Remark
GM 358	600×450×300	
GM 358-A	560×355×245	
GM 358-B	340×340×220	





Glasware



- ❖ laboratory glassware
- ❖ adapter reduction/ expansion
- ❖ receiver adapters
- ❖ still heads, recovery bend vertical
- ❖ splash head adapter
- ❖ condensers with ground joints
- ❖ flasks
- ❖ dean & stark / cleverger apparatus
- ❖ separating funnels
- ❖ arsenic apparatus and manometers
- ❖ soxhlet extraction apparatus
- ❖ burettes
- ❖ pipettes
- ❖ measuring cylinders
- ❖ volumetric flask
- ❖ tubes screw cap/centrifuge/test tubes
- ❖ stop cocks
- ❖ filter apparatus / filter holder
- ❖ chromatographic apparatus
- ❖ bottles
- ❖ dessicator & rectangular jar
- ❖ thermometers

A		E	
Adapters cone to rubber tubing	G15	Expansion adapters	G13
Adapters cone to rubber tubing	G16		
Adapters socket to cone	G15	F	
Adapters socket to rubber tubing	G15	Filter (buchner) flask	G27
Air condenser	G20	Flask iodine	G27
All quartz double distillation (horizontal model)	G8	Flask kjeldhal plain - long neck	G27
All quartz double distillation (vertical model)	G7	Flask kjeldhal with socket	G27
All quartz double distillation	G9	Flask pear shape	G28
Allihn condenser	G20	Flask reaction kettle	G29
Ammonia distillation apparatus	G35	Flask reaction vessel	G29
Arsenic apparatus	G35	Flask- rotavapour with ground joint	G30
Automatic cut of device for distillation unit	G14	Flask round bottom	G25
Automatic water distillation equipment (cabinet model)	G4	Flask round bottom or flat bottom	G23
		Flask tilt measuring with reservoir	G27
		Flaskconical with stopper	G28
B		Flasks • round bottom/flat bottom • plain neck	G22
B.o.d. Bottle with stopper	G51	Fiskconical (erlenmeyer)	G28
Beaker low form graduated	G31	Funnel - addition / dropping	G33
Beaker tall form graduated	G31	Funnel filter, plain	G33
Beaume hydrometer with paper	G56	Funnel pressure equalising	G33
Brix hydrometer with paper scale wio. Thermometer	G56	Funnel pressure equalising	G33
Buchner funnel glass with sintered disc	G47		
Burette with pinch clip	G38	G	
Burette with screw type p.t.f.e. Rota flow	G38	Gas passing tubes for flasks	G19
Burette with screw type p.t.f.e. Rota flow stop cock	G37	Glass spreader	G54
Burette with straight bore glass key stop cock	G38		
Burette with straight bore glass key stop cock	G38	J	
Burette, automatic zero	G37	Jar rectangular with over	G53
C		K	
Capillary tubes 100mm long	G52	Kipps apparatus	G43
Centrifuge tube	G44	Kjeldhal distillation assembly	G35
Centrifuge tube	G45		
Chromatography plain absorption columns	G48	L	
Chromatographic apparatus	G48	Laboratory thermometer mercury filled	G54
Chromatography apparatus semi micro	G48	Lactometer	G55
Chromatography column, with integral sintered	G46	Lechatelier flask	G29
Chromatography column, with integral sintered disc, socket cone	G48	Lid for crucibles	G11
Chromatography sprayers with bellows	G52	Lids for reaction kettle	G29
Clevenger apparatus (heavier than water)	G24	Lids for reaction vessel	G29
Clevenger apparatus (lighter than water)	G24	Liebig condenser	G20
Coil condenser (coil)	G21	Locking clips (plastic) for ground joint	G30
Coil condenser (jacketed)	G21		
Condenser double oil-vertical	G21	M	
Condensers, davis (double surface)	G22	Measuring cylinder	G40
Condensers, jacketed oil (double)	G22	Measuring cylinder	G41
Cones, plain double	G12	Measuring cylinder graduated	G40
Connecting tube t, u, y shape	G51	Measuring cylinder stoppered	G41
Crow receiver cylinder with stopper	G42	Membrane filter holder assembly	G47
Crucible without lid	G11	Membrane filter holder assembly	G47
		Muffle tray	G11
		Multiple adapters	G13
D			
Dean & stark moisture determination	G24	N	
Dessicator vacuum with cover and stop cock	G53	Nessler cylinder	G42
Dessicator with cover plain	G53	Nessler cylinder graduated glass	G42
Dishes - crystallizing, flat bottom	G54		
Dishes - petri culture, top & bottom	G54	O	
Dishes evaporating with pour out	G54	Over/incubator thermometers	G55
Distillation apparatus all glass	G14		
Distillation apparatus	G10	P	
Distillation assembly	G34	Pipette graduated (measuring)	G39
Distillation assembly simple type	G34	Pipette graduated (measuring)	G40
Distillation flask, round bottom	G28	Pipette volumetric one mark	G39
Dropping bottle	G51	Pipette volumetric with one mark	G39
Drying tube i guard tube with (cone)	G19	Polarimeter tube	G52
Durham tube	G52	Powder funnel with cone	G34

R

R m value apparatus
Reagent bottle
Receiver adapter
Receiver adapter
Receiver delivery adapter
Recovery band sloping
Recovery band vertical
Reduction adapters
Reflux assembly
Replacement parts of water distillation

S

S.s. Clips for reaction vessel & bottle
Separating funnel with glass stopcock
Separating funnel with p.t.f.e. Key
Separating funnel with screw type
Single stage quartz distillation (horizontal model)
Single stage quartz distillation (horizontal model)
Single stage quartz distillation (vertical model)
Single stage quartz distillation
Sintered glass gooch crucible
Socket, plain double
Spare condensers
Spare extractor
Specific gravity bottles
Specific gravity bottles (pycnometer)
Specific gravity bottles
Specific gravity hydrometers
Splash head adapter, pear shape straight
Splash head
Splash head pear shape, vertical
Stalgonometer graduated
Steam distillation assembly
Steam distillation head
Still head, plain with thermometer socket, sloping
Stop cocks for burette
Stop cocks straight bore
Stoppers
Swan neck adapters

T

Teflon gaskets
Test tube
Thell melting point tube's
Thermometer pocket for flasks
Tubes culture media
Tubes culture media
Twaddle hydrometers

U

Universal hydrometer

V

Vacustat (macleod)
Viscometer u tube
Volumetric flask
Volumetric flask
Volumetric flask

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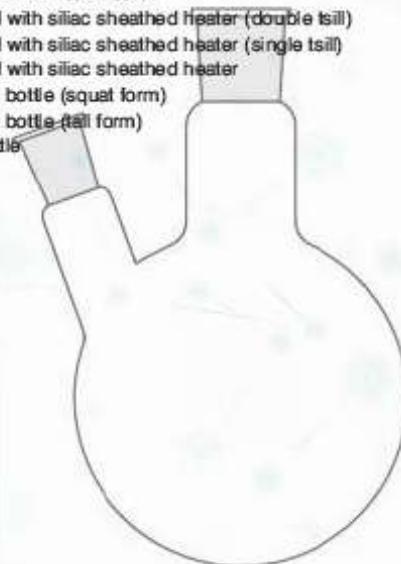
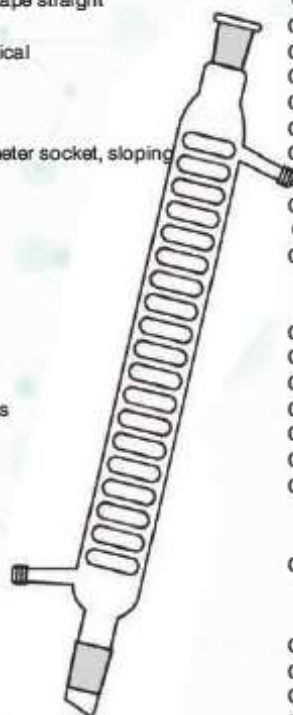
G35
G50
G16
G17
G16
G18
G18
G12
G35
G14

W

Watch glass
Water still with meal heater
Water still with meal heater
Water still with meal heater
Water still with meal heater
Water still with siliac sheathed heater (double tsill)
Water still with siliac sheathed heater (single tsill)
Water still with siliac sheathed heater
Weighing bottle (squat form)
Weighing bottle (tall form)
Woulf bottle

Page No.

G53
G1
G10
G30
G36
G3
G2
G10
G49
G49
G51



WATER STILL WITH MEATL HEATER



It comprises of horizontal borosilicate glass boiler fitted with a 3 KW chromium plated immersion heater with cutoff, highly efficient coil condenser ensures a reliable output of single distillate.

It is designed for easy usage, safe to operate and low cost.

Features

- ❖ **Abundant Output :** The still provides 4 ltr/hr of distilled water which is ideal for General Laboratory use and is capable for producing pyrogen free distillate.
- ❖ **Distillate temperature** is approx. between 25° - 40° C which is ensured by highly efficient condenser.

Distillate Quality

Output	4ltr / hr
Conductivity	3.0-4.0 μ S/cm
Distillate Quality	Pyrogen Free

Construction

- ❖ The stand is powder coated for long and rust free operation.
- ❖ The boiler and condenser are designed for high efficiency.
- ❖ Boiler is provided with Teflon Screw Cork for easy draining and cleaning of boiling chamber.
- ❖ **Screw Threaded Connectors :** These are provided for easy plumbing & Installation to avoid any glassware breakage during assembly.
- ❖ For use on 220/240 V, 50/60Hz, Single Phase Supply.

Additional Optional Accessories (At Extra Cost)

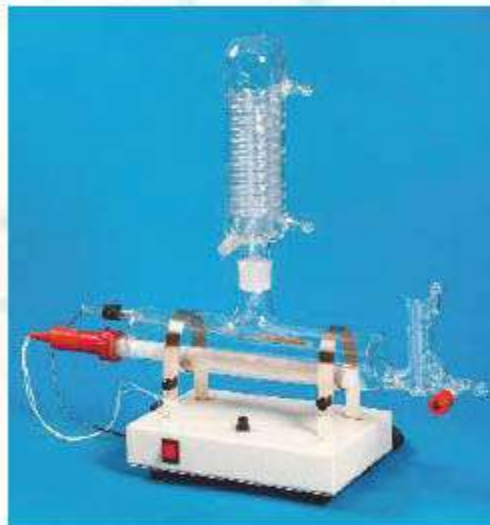
- ❖ **Gate Valve:** Conserves cooling water wastage in case of power failure.
- ❖ **Flow Switch:** In-built safety feature for the equipment unit shut off in case of cooling water failure.

WATER STILL WITH SILIAC SHEATHED HEATER (SINGLE TSILL)

Water stills are carefully designed to produce high purity pyrogen free distilled water. The water still made from 3.3 exp. borosilicate glass comprises of horizontal type boiler, condenser, constant level device, silica sheathed (Quartz) heater, along with stand and clamps.

Features:

- ❖ Borosilicate condenser and boiler are fitted with a removable silica sheathed heater and screw threaded connectors for ease of Cleaning.
- ❖ Distillate temperature is approx. between 25° to 45°C which is ensured by an efficient condenser.
- ❖ The stand is powder coated for rust free operation and lustrous appearance.
- ❖ The unit automatically switches off if water level in the boiler falls below heater.
- ❖ Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- ❖ Drain nozzle/Teflon Stop Cork is provided for easy cleaning and maintenance.
- ❖ Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.



Unique Feature:

This model is equipped with an in-built water level sensor to protect the Glass parts in case of water failure or overheating and buzzer is provided when user attention is required

Single Unit		Technical Specification		
Conductivity		1 to 2.0 $\mu\text{S}/\text{cm}$		
Distillate Quality		Pyrogen Free		
Model No.	Output Cap. (approx)	Cooling Water Consumption	Power Rating	Price
830-20S	2.0 ltr/hr	60 ltr/hr	1.5 Kw	
830-40S	4.0 ltr/hr	120 ltr/hr	3.0 Kw	

WATER STILL WITH SILIAC SHEATHED HEATER (DOUBLE TSILL)



Water stills are carefully designed to produce high purity pyrogen free distilled water. The water still made from 3.3 exp. borosilicate glass comprises of horizontal type boiler, condenser, constant level device, silica sheathed (Quartz) heater, along with stand and clamps.

Features:

- ❖ Borosilicate condenser and boiler are fitted with a removable silica sheathed heater and screw threaded connectors for ease of Cleaning.
- ❖ Distillate temperature is approx. between 25° to 45°C which is ensured by an efficient condenser.
- ❖ The stand is powder coated for rust free operation and lustrous appearance.
- ❖ The unit automatically switches off if water level in the boiler falls below heater.
- ❖ Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- ❖ Drain nozzle/Teflon Stop Cork is provided for easy cleaning and maintenance.
- ❖ Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply.

Unique Feature:

This model is equipped with an in-built water level sensor to protect the Glass parts in case of water failure or overheating and buzzer is provided when user attention is required.

Technical Specification

Conductivity		1 to 2.0 $\mu\text{S}/\text{cm}$		
Distillate Quality		Pyrogen Free		
Model No.	Output Cap. (approx)	Cooling Water Consumption	Power Rating	Price
831-20D	2.0 ltr/hr	120 ltr/hr	3.0 Kw	
831-40D	4.0 ltr/hr	150 ltr/hr	6.0 Kw	

AUTOMATIC WATER DISTILLATION EQUIPMENT (CABINET MODEL)

Compact & User Friendly

This is a fully automatic water distillation equipment and can be used in research laboratories, hospitals etc. It is manufactured from 3.3 exp borosilicate glass or quartz glass. The distillation has following features.

- ❖ Replaceable Silica sheathed (Quartz) heater: The horizontal quartz jacket is fitted with removable silica Sheathed heater and screw threaded connectors for ease of cleaning
- ❖ Distillate temperature is approx. between 250C to 450C which is ensured by an efficient condenser.
- ❖ The stand is powder coated for rust free operation and lustrous appearance.
- ❖ Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- ❖ Screw Threaded Connectors: These are provided for easy plumbing & Installation to avoid any glassware breakage during assembly.
- ❖ Fuse is provided for safety in case of voltage fluctuation or short circuit,
- ❖ Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber.
- ❖ The front cover is easily-removable- making the access to the glass parts very easy.
- ❖ Electrical Power: 220/240 V, 50/60Hz, Single Phase Supply



Additional In-built Safety Features:

- ❖ Gate Valve: Conserves cooling water wastage in case of power failure.
- ❖ Flow Switch: In-built safety feature for the equipment unit shut off in case of cooling water failure.
- ❖ Temperature switch: The boiler is equipped With a safot temperature switch which Shuts Off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages.
- ❖ Level Sensor: It Shuts off the Distillation equipment if the water level in the boiler falls below the heater
- ❖ Reservoir Level Sensor: This helps in automatic working of the water distillation equipment Depending on the water level in the reservoir it will automatically switch On/Off the equipment. thus saving energy, (Reservoir can also be provided with a storage capacity of 5 ltr, 10 ltr & 20 ltr made of Borosilicate Glass or polypropylene)

Borosilicate Glass

Borosilicate Glass

	832-20S	832-20D	832-40S	832-40D
Output Capacity (Approx.)	2 Ltr/Hr	2 Ltr/Hr	4 Ltr/Hr	4 Ltr/Hr
Stage	Single Stage	Double Stage	Single Stage	Double Stage
Distillate Quality	Pyrogen Free	Pyrogen Free	Pyrogen Free	Pyrogen Free
Conductivity $\mu\text{S/cm}$	1.0 - 2.0	0.8 - 1.0	1.0 - 2.0	0.8 - 1.0
Cooling Water Requirement (App.)	1.5 Ltr/min	2 Ltr/min	2-3Ltr/min	2-4 Ltr/min
Power Rating (Total)	1.5 KW	3.0 KW	3.0 KW	6.0 KW
Price/Pc				

**All the parameters are under standard test conditions.

**Output quality would depend upon the quality of inlet feed water.

SINGLE STAGE QUARTZ DISTILLATION (VERTICAL MODEL)



The apparatus consists of a boiler made from high purity quartz with built in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with receiving adapter. The unit comes with Safety Control Unit (Optional) to protect the Glass parts in case of water failure or overheating. Quartz can withstand very high temperature variation, thus it is thermal shock proof

Conductivity	10 -15 pS/cm with Borosilicate Condenser
	0.5 - 0.8 pS/cm with Quartz Condenser
Distilled Water Quality	Pyrogen Free
Distillate Temperature	25-45 °C

"All the parameters are under Standard Test Conditions"

Advantages

- ❖ Rust proof powder coated sturdy stand as base.
- ❖ Replaceable lamps are provided for better adjustment and alignment of the boiler and condenser.

Advanced Features

- ❖ Distillate is pyrogen free; also it is free of heavy metals.
- ❖ Switch on time is less than minute providing distilled water instantly.
- ❖ Low maintenance is required.

Borosilicate Condenser (Safety Cut Off Device Charge Extra)

	Output Capacity (Approx.)	Power Rating (Watt)	Cooling Water Consumption (App.)	
833-25B	2.5Ltr/Hr	2 KW	40 Ltr/Hr	49000.00
833-50B	5 Ltr/Hr	4.4 KW	65 Ltr/Hr.	81000.00
833-80B	8 Ltr/Hr	6 KW	90 Ltr/Hr	118000.00
833-100B	10 Ltr/Hr	9 KW	120 Ltr/Hr	138000.00

Quartz Condenser (Safety Cut Off Device Charge Extra)

	Output Capacity (Approx.)	Power Rating (T)	Cooling Water Consumption (App.)	
833-25Q	2.5Ltr/Hr	2 KW	40 Ltr/Hr	74000.00
833-50Q	5 Ltr/Hr	4.4 KW	65 Ltr/Hr.	134000.00
833-80Q	8 Ltr/Hr	6 KW	90 Ltr/Hr	178000.00
833-100Q	10 Ltr/Hr	9 KW	120 Ltr/Hr	250000.00

■ Indicates 3 Phase

Safety Cut Off Device (Digital Safety Control Unit with Alarm)				
SCU-1	2 Ltr/Hr			27000.00
SCU-2	5,8 &10 Ltr/Hr			30000.00

** It is recommended to use Water Softener Unit with All types of water distillations for desired output, good quality distillate & long life.

SINGLE STAGE QUARTZ DISTILLATION (HORIZONTAL MODEL)



Features

- ❖ **Replaceable Silica Heater :** The horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning.
- ❖ **Distillate temperature** is approx. between 25° to 45° C which is ensured by an efficient condenser.
- ❖ The stand is powder coated for rust free operation and lustrous appearance.
- ❖ The unit automatically switches off if water level in the boiler falls below heater.
- ❖ Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- ❖ Fuse is provided for safety in case of voltage fluctuation or short circuit.
- ❖ **Electrical Power:** 220/240 V, 50/60Hz, Single Phase Supply.
- ❖ Boiler is provided with Replaceable Quartz Constant Level Device for easy draining and cleaning of boiling chamber.

Unique Feature

This model is equipped with in-built temperature switch to protect the Glass parts in case of water failure or overheating.

Additional Optional Accessories (At Extra Cost)

- ❖ **Gate Valve:** Conserves cooling water wastage in case of power failure.
- ❖ **Flow Switch :** In-built safety feature for the equipment unit shut off in case of cooling water failure.

Borosilicate Condenser

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)
834-20BH	2 Ltr/Hr	1.7 KW	35 Ltr/Hr
834-50BH	5 Ltr/Hr	3.4 KW	70 Ltr/Hr.

Quartz Condenser

	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)
834-20QH	2 Ltr/Hr	1.7 KW	35 Ltr/Hr
834-50QH	5 Ltr/Hr	3.4 KW	70 Ltr/Hr.

ALL QUARTZ DOUBLE DISTILLATION (VERTICAL MODEL)

It has been designed keeping in view customer requirements and easy serviceability of the equipment. All Quartz Double Distillation consists of demountable upper and lower boiler. The lower boiler has a built-in heater enclosed in a quartz boiler with a cup on top. The upper boiler has a built-in quartz coil and condensing unit which is mounted on the boiler with the help of ball and socket joint. Double-walled condenser ensures separate condensation of vapors coming from the two boilers using a single cooling circuit. The unit is mounted on a specially designed powder-coated stand and is also provided with Safety Control Unit. This new dual-safety cut-off has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microprocessor-based electronic circuitry. This has the latest electronic technology that has been introduced by our company which gives an easy user-machine interaction. The alpha-numeric LCD which has been used shows all messages that correspond to the running of the machine. Also there is an alarm system which beeps as and when user attention is required.



Special advantages of Demountable Model

- ❖ Easy cleaning of the first boiler since it can be dismantled from the assembly.
- ❖ Ease of interchangeability as it is provided with Ball & Socket joint.
- ❖ Boiler & condenser have larger boiling space resulting in balanced boiling & improved quality of distillate.
- ❖ Compact and easy to install.

Parameters	Values
Specific Conductivity	0.1-0.5 ps/cm
Biological Activity (distillate quality)	Pyrogen Free
Organic Matter	Nil
Total Solids	0.1 mg/ltr
Silica	<0.01 mg/ltr

**All the parameters are under Standard Test Conditions. Please test the distilled water before use.

**We recommend a Quartz Reservoir for storage of High

Quartz Condenser

Double (Vertical)	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)
835-DD-15AQ	1.5Ltr/Hr	3 KW	50 Ltr/Hr
835-DD-25AQ	2.5Ltr/Hr	5 KW	70 Ltr/Hr.
835-DD-35AQ	3.5Ltr/Hr	7 KW	90 Ltr/Hr
835-DD-40AQ	4.0Ltr/Hr	8 KW	120 Ltr/Hr
835-DD-50AQ	5.0Ltr/Hr	9 KW	150 Ltr/Hr

■ Indicates 3 Phase

**The above cost is inclusive of Safety Cut off Device

**It is recommended to use Water Softener Unit with All types Of Water distillations for desired output, good quality distillate and

ALL QUARTZ DOUBLE DISTILLATION (HORIZONTAL MODEL)

Features

- ❖ Replaceable silica heater: The horizontal quartz jacket is fitted with removable silica heater and screw threaded connectors for ease of cleaning
- ❖ Distillate temperature is approx between 25° to 45° which is ensured by an efficient condenser.
- ❖ The stand is powder coated for rust free operation appearance.
- ❖ Cooling water from the condenser is re-circulated into the boiling chamber, hence saving energy.
- ❖ Fuse is provided for safety in case of voltage fluctuation or short circuit.
- ❖ Boiler is provided with a Replaceable Constant Level Device for easy draining and cleaning of boiling chamber.



Additional In-built Safety Feature

- ❖ Gate Valve: Conserves cooling water wastage in case of power failure.
- ❖ Flow Switch: In-built safety feature for the equipment unit shut off in case of cooling water failure.
- ❖ Temperature switch: The boiler is equipped with a safety temperature switch which shuts off the unit if water level in the boiler falls below the heater, thus saving the glass parts from any damages

Technical Specification

Double (Horizontal)	Output Capacity (Approx.)	Power Rating (Total)	Cooling Water Consumption (App.)
836-DD-15HM	1.5Ltr/Hr	3 KW	50 Ltr/Hr
836-DD-20HM	2.0Ltr/Hr	4 KW	65 Ltr/Hr.
836-DD-25HM	2.5Ltr/Hr	5 KW	70 Ltr/Hr
836-DD-35HM	3.5Ltr/Hr	6 KW	90 Ltr/Hr
836-DD-40HM	4.0Ltr/Hr	7 KW	120 Ltr/Hr
836-DD-50HM	5.0Ltr/Hr	8 KW	150 Ltr/Hr

■ Indicates 3 Phase

** It is recommended to use Water Softener Unit with All types of water distillations for desired output, good quality distillate & long life.

***pH electrodes will NOT give accurate pH values in distilled or deionized water. This is because distilled and deionized water do not have enough ions present for the electrode to function properly. The readings will drift and be essentially meaningless. In practice, however, most distilled water will have a pH that is slightly acidic (less than 7.0) due to the presence of carbon dioxide (CO₂) that is absorbed from the atmosphere.

ALL QUARTZ DOUBLE DTISILLATION

Cat. No.	Product Name	Remark
837-DD-15AQ-LC	Quartz Lower Cup for 1.5 ltr/hr Distillation	
837-DD-25AQ-LC	Quartz Lower Cup for 2.5 ltr/hr Distillation	
837-DD-SOF	All Quartz Double distillation Side Over Flow (Quartz)	
837-SI-SCU-1	Safety Cut-off Device for 1.5 to 2.5 ltr/hr Dist.	
837-SI-SCU-2	Safety Cut-off Device for 3.5, 4.0 to 5.0 ltr/hr Dist.	

SINGLE STAGE QUARTZ DISTILLATION

Cat. No.	Product Name	Remark
838-SD-20-QBS	Quartz Boiler for 2.5 ltr/hr Dist.	
838-SD-50-QBS	Quartz Boiler for 5 ltr/hr Dist.	
838-SD-70-QBS	Quartz Boiler for 7 ltr/hr Dist.	
838-SD-100-QBS	Quartz Boiler for 10 ltr/hr Dist.	
838-SD-20-BCC	Borosilicate Coil Condenser for 2.5 ltr/hr Dist.	
838-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	
838-SD-70-BCC	Borosilicate Coil Condenser for 7 ltr/hr Dist.	
838-SD-100-BCC	Borosilicate Coil Condenser for 10 ltr/hr Dist.	
838-SD-20-QCC	Quartz Coil Condenser for 2.5 ltr/hr Dist.	
838-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	
838-SD-70-QCC	Quartz Coil Condenser for 7 ltr/hr Dist.	
838-SD-100-QCC	Quartz Coil Condenser for 10 ltr/hr Dist.	
838-SI-SCU-1	Safety Cut-off Device	
838-SI-SCU-2	Safety Cut-off Device	

SINGLE STAGE QUARTZ DISTILLATION (HORIZONTAL MODEL)

Cat. No.	Product Name	Remark
839-SD-20-HQB	Horizontal Quartz Boiler for 2 ltr/hr Dist.	
839-SD-50-HQB	Horizontal Quartz Boiler for 5 ltr/hr Dist.	
839-SD-20-BCC	Borosilicate Coil Condenser for 2 ltr/hr Dist.	
839-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	
839-SD-20-QCC	Quartz Coil Condenser for 2 ltr/hr Dist.	
839-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	
839-SI-SH-HS	Silica Sheathed (Quartz) Heater with Bakelite Cap	

ALL QUARTZ DOUBLE DTISILLATION

Cat. No.	Product Name	Remark
837-DD-15AQ-LC	Quartz Lower Cup for 1.5 ltr/hr Distillation	
837-DD-25AQ-LC	Quartz Lower Cup for 2.5 ltr/hr Distillation	
837-DD-SOF	All Quartz Double distillation Side Over Flow (Quartz)	
837-SI-SCU-1	Safety Cut-off Device for 1.5 to 2.5 ltr/hr Dist.	
837-SI-SCU-2	Safety Cut-off Device for 3.5, 4.0 to 5.0 ltr/hr Dist.	

SINGLE STAGE QUARTZ DISTILLATION

Cat. No.	Product Name	Remark
838-SD-20-QBS	Quartz Boiler for 2.5 ltr/hr Dist.	
838-SD-50-QBS	Quartz Boiler for 5 ltr/hr Dist.	
838-SD-70-QBS	Quartz Boiler for 7 ltr/hr Dist.	
838-SD-100-QBS	Quartz Boiler for 10 ltr/hr Dist.	
838-SD-20-BCC	Borosilicate Coil Condenser for 2.5 ltr/hr Dist.	
838-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	
838-SD-70-BCC	Borosilicate Coil Condenser for 7 ltr/hr Dist.	
838-SD-100-BCC	Borosilicate Coil Condenser for 10 ltr/hr Dist.	
838-SD-20-QCC	Quartz Coil Condenser for 2.5 ltr/hr Dist.	
838-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	
838-SD-70-QCC	Quartz Coil Condenser for 7 ltr/hr Dist.	
838-SD-100-QCC	Quartz Coil Condenser for 10 ltr/hr Dist.	
838-SI-SCU-1	Safety Cut-off Device	
838-SI-SCU-2	Safety Cut-off Device	

SINGLE STAGE QUARTZ DISTILLATION (HORIZONTAL MODEL)

Cat. No.	Product Name	Remark
839-SD-20-HQB	Horizontal Quartz Boiler for 2 ltr/hr Dist.	
839-SD-50-HQB	Horizontal Quartz Boiler for 5 ltr/hr Dist.	
839-SD-20-BCC	Borosilicate Coil Condenser for 2 ltr/hr Dist.	
839-SD-50-BCC	Borosilicate Coil Condenser for 5 ltr/hr Dist.	
839-SD-20-QCC	Quartz Coil Condenser for 2 ltr/hr Dist.	
839-SD-50-QCC	Quartz Coil Condenser for 5 ltr/hr Dist.	
839-SI-SH-HS	Silica Sheathed (Quartz) Heater with Bakelite Cap	

MUFFLE TRAY

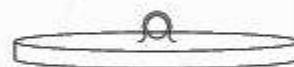
Cat. No.	Nominal Length	No. of Holes	Remark
862/01	39	2	
862/02	76	4	



862

LID FOR CRUCIBLES

Cat. No.	Capacity (ml)	Remark
863/01	15	
863/02	25	
863/03	50	
863/04	80	



863

CRUCIBLE WITHOUT LID

Cat. No.	Capacity ml.	O.D.x Length mm. (approx)	Remark
864/01	15	40x26	
864/02	25	47x30	
864/03	50	57x35	
864/04	80	69x45	
864/05	150	80 x 54	



864

ADAPTER REDUCTION/ EXPANTION

SOCKET, PLAIN DOUBLE



LGW01

Cat. No.	Socket	Remark
LGW01/01	B10	
LGW01/02	B14	
LGW01/03	B19	
LGW01/04	B24	
LGW01/05	B29	
LGW01/06	B34	
LGW01/07	B40	

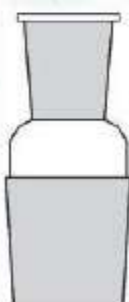
CONES, PLAIN DOUBLE



LGW02

Cat. No.	Socket	Remark
LGW02/01	B10	
LGW02/02	B14	
LGW02/03	B19	
LGW02/04	B24	
LGW02/05	B29	
LGW02/06	B34	
LGW02/07	B40	

REDUCTION ADAPTERS



LGW03

Cat. No.	Socket	Cone	Remark
LGW03/01	B10	B14	
LGW03/02	B14	B19	
LGW03/03	B14	B24	
LGW03/04	B14	B29	
LGW03/05	B19	B24	
LGW03/06	B19	B29	
LGW03/07	B19	B34	
LGW03/11	B24	B29	
LGW03/12	B24	B34	
LGW03/16	B24	B55	
LGW03/17	B29	B34	
LGW03/21	B34	B55	
LGW03/22	B34	B50	

EXPANSION ADAPTERS

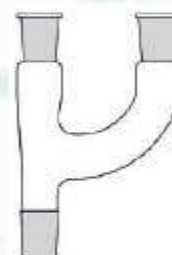
Cat. No.	Socket	Cone	Remark
LGW04/02	B19	B14	
LGW04/03	B24	B14	
LGW04/04	B24	B19	
LGW04/05	B29	B14	
LGW04/07	B29	B24	
LGW04/08	B34	B19	
LGW04/09	B34	B24	
LGW04/10	B34	B29	
LGW04/12	B55	B24	



LGW04

MULTIPLE ADAPTERS

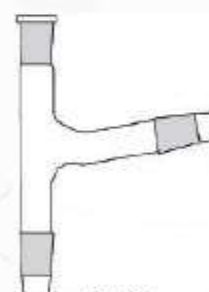
Two necks parallel			
Cat. No.	Socket x 2	Cone	Remark
LGW05/02	B14	B14	
LGW05/03	B19	B19	
LGW05/04	B19	B24	
LGW05/05	B24	B34	
LGW05/06	B24	B24	
LGW05/07	B29	B29	



LGW05

MULTIPLE ADAPTERS

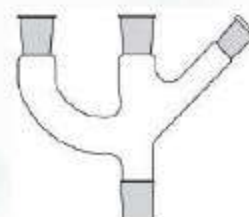
With two necks , one vertical and one at 45 angle			
Cat. No.	Socket	Cone	Remark
LGW06/01	B19	B19	
LGW06/02	B19	B24	
LGW06/03	B19	B34	



LGW06

MULTIPLE ADAPTERS

With three necks, two parallel and one at 45 angle				
Cat. No.	Socket x 2	Cone	Vertical Socket	Remark
LGW07/01	B19	B19	B19	
LGW07/02	B19	B24	B19	
LGW07/04	B19	B29	B19	
LGW07/05	B24	B24	B24	
LGW07/06	B29	B29	B29	



LGW07

DISTILLATION APPARATUS ALL GLASS "

Automatic electrically heated all glass distillation apparatus heater embedded in spiral glass tube complete with metallic stan, plug and board etc.

Cat. No.	Flask Cap.	Description (W/O cut off)	Remark
LGW08/01	3 Ltrs.	Single Distillation	
LGW08/02	3 Ltrs.	Double Distillation	
LGW08/03	3 Ltrs.	Tripple Distillation	
LGW08/04	5 Ltrs.	Single Distillation	
LGW08/05	5 Ltrs.	Double Distillation	
LGW08/06	5 Ltrs.	Tripple Distillation	
LGW08/07	10 Ltrs.	Single Distillation	
LGW08/08	10 Ltrs.	Double Distillation	
LGW08/09	10 Ltrs.	Tripple Distillation	



REPLACEMENT PARTS OF WATER DISTILLATION "

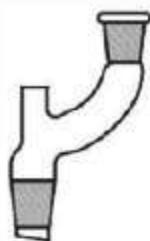
Cat. No.	Flask Cap.	Description	Remark
LGW09/01	3 Ltrs.	Flask with heater	
LGW09/02	5 Ltrs.	Flask with heater	
LGW09/03	10 Ltrs.	Flask with heater	
LGW09/04	3 Ltrs.	Spare Condenser	
LGW09/05	5 Ltrs.	Spare Condenser	
LGW09/06	10 Ltrs.	Spare Condenser	
LGW09/07	Cup	Constant level cup for distillation	
LGW09/08	Adapter	Receiver adapter for distillation	

AUTOMATIC CUT OF DEVICE FOR DISTILLATION UNIT "

Cat. No.	Stage	Remark
LGW09/A/01	Single	
LGW09/A/02	Double	
LGW09/A/03	Triple	



'SWAN NECK ADAPTERS

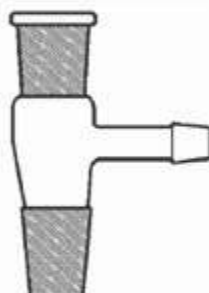


LGW10

For use with air-leak, tube or Thermometer

Cat. No.	Socket	Cone	Remark
LGW10/02	B19	B19	
LGW10/04	B19	B24	
LGW10/05	B24	B24	
LGW10/06	B29	B29	

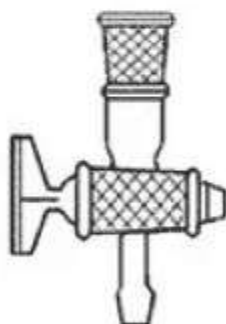
ADAPTERS SOCKET TO CONE



LGW11

With T connection

Cat. No.	Socket	Cone	Remark
LGW11/01	B14	B14	
LGW11/02	B14	B19	
LGW11/03	B14	B24	
LGW11/04	B19	B19	
LGW11/05	B19	B24	
LGW11/07	B24	B24	
LGW11/08	B24	B29	
LGW11/09	B29	B29	

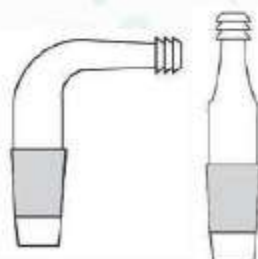


LGW12

ADAPTERS SOCKET TO RUBBER TUBING

Straight connection

Cat. No.	Socket	Remark
LGW12/03	B19	
LGW12/04	B24	
LGW12/05	B29	



LGW13

ADAPTERS CONE TO RUBBER TUBING

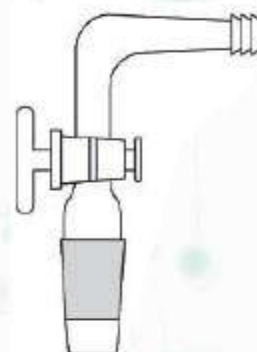
Right angle connection or straight (Take - off)

Cat. No.	Socket	Remark
LGW13/02	B14	
LGW13/03	B19	
LGW13/04	B24	
LGW13/05	B29	
LGW13/06	B34	

ADAPTERS CONE TO RUBBER TUBING

Straight or right angle connection with glass stop cock		
Cat. No.	Socket	Remark
LGW14/01	B14	
LGW14/02	B19	
LGW14/03	B24	
LGW14/04	B29	
LGW14/05	B34	
Optional : 1. The above adaptors can also be supplied with PTFE Key stop cock		
2. The above adaptors can also be supplied with straight connection.		

*Please ask for prices separately.

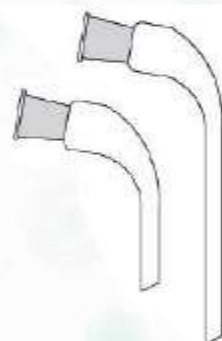


LGW14

RECEIVER ADAPTERS

RECEIVER DELIVERY ADAPTER

Plain bend short / Long bend		
Cat. No.	Socket	Remark
LGW15/02	B14	
LGW15/03	B19	
LGW15/04	B24	
LGW15/05	B29	
LGW15/06	B34	



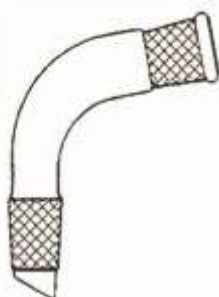
LGW15

RECEIVER ADAPTER

Straight delivery		
Cat. No.	Socket	Remark
LGW17/02	B14	
LGW17/03	B19	
LGW17/04	B24	
LGW17/05	B29	
LGW17/06	B34	



LGW17



LGW18

RECEIVER ADAPTER

Plain bend socket to cone

Cat. No.	Socket	Cone	Remark
LGW18/02	B14	B14	
LGW18/03	B19	B19	
LGW18/04	B19	B24	
LGW18/05	B24	B24	
LGW18/06	B29	B29	
LGW18/07	B34	B34	



LGW19

RECEIVER ADAPTER

Bend with vent

Cat. No.	Socket	Cone	Remark
LGW19/02	B14	B14	
LGW19/03	B19	B19	
LGW19/04	B19	B24	
LGW19/05	B24	B24	
LGW19/07	B29	B29	
LGW19/08	B34	B34	



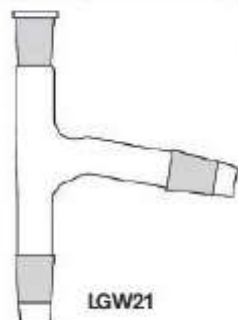
LGW20

RECEIVER ADAPTER

Bend with vacuum connection (VACUUM BEND)

Cat. No.	Socket	Cone	Remark
LGW20/01	B14	B14	
LGW20/03	B19	B19	
LGW20/04	B19	B24	
LGW20/05	B24	B24	
LGW20/06	B29	B29	
LGW20/07	B34	B34	

STILL HEADS, RECOVERY BEND VERTICAL



LGW21

STILL HEAD, PLAIN WITH THERMOMETER SOCKET, SLOPING

Cat. No.	Socket	Cone	Remark
LGW21/01	B14	B14	
LGW21/02	B19	B19	
LGW21/03	B24	B19	
LGW21/04	B24	B24	
LGW21/05	B34	B34	

RECOVERY BEND SLOPING

Cat. No.	Flask Cone	Condenser Cone	Remark
LGW22/01	B14	B14	
LGW22/02	B19	B19	
LGW22/03	B24	B14	
LGW22/04	B24	B19	
LGW22/05	B24	B24	
LGW22/06	B29	B19	
LGW22/07	B29	B24	
LGW22/08	B29	B29	
LGW22/09	B34	B24	
LGW22/10	B34	B34	



RECOVERY BEND VERTICAL

Cat. No.	Flask Cone	Condenser Cone	Remark
LGW23/01	B14	B14	
LGW23/02	B19	B19	
LGW23/03	B24	B14	
LGW23/04	B24	B24	
LGW23/05	B34	B34	



SPALASH HEAD ADAPTER

SPLASH HEAD

Pear shape sloping			
Cat. No.	Flash Cone	Condenser Cone	Remark
LGW24/01	B19	B19	
LGW24/02	B24	B19	
LGW24/03	B24	B24	
LGW24/04	B29	B24	
LGW24/05	B34	B24	



STEAM DISTILLATION HEAD

Pear shape sloping			
Cat. No.	Flask Cone	Condenser Cone	Remark
LGW25/02	B24	B19	
LGW25/03	B24	B24	
LGW25/04	B29	B29	





LGW26



LGW27

SPLASH HEAD ADAPTER, PEAR SHAPE STRAIGHT

Cat. No.	Flash Cone	Condenser Cone	Remark
LGW26/01	B24	B24	
LGW26/02	B24	B19	

SPLASH HEAD PEAR SHAPE, VERTICAL

Cat. No.	Flash Cone	Condenser Cone	Remark
LGW27/01	B19	B19	
LGW27/02	B24	B19	
LGW27/03	B24	B24	
LGW27/04	B29	B24	
LGW27/05	B34	B24	

DRYING TUBE / GUARD TUBE WITH (CONE)

Cat. No.	Cone	Remark
LGW28/01	B19	
LGW28/02	B24	
LGW28/03	B24	



LGW29

THERMOMETER POCKET FOR FLASKS

Cat. No.	Joint Size	Flask Cap. (ml)	Remark
LGW29/01	B14	25/50/100	
LGW29/02	B14	250	
LGW29/03	B19	100/250	
LGW29/04	B19	500/1000	
LGW29/05	B19	2000	
LGW29/06	B24	250/500/1000/2000	
LGW29/07	B24	3000/5000	
LGW29/08	B34	10 Ltrs./20 Ltrs.	



LGW30

GAS PASSING TUBES FOR FLASKS

Cat. No.	Joint Size	Flask Cap. (ml)	Remark
LGW30/01	B14	25/50/100/250	
LGW30/02	B19	100/250/500	
LGW30/03	B19	1000	
LGW30/04	B24	250/500	
LGW30/05	B24	1000	
LGW30/06	B24	2000	
LGW30/07	B24	3000/5000	
LGW30/08	B34	500/1000/2000/3000/5000	

AIR CONDENSER

Cat. No.	Cone	Effective Length mm	Remark
LGW31/02	B19	200	
LGW31/03	B24	300	
LGW31/04	B19	400	
LGW31/05	B24	500	
LGW31/06	B29	500	
LGW31/07	B24	600	
LGW31/08	B24	750	



LIEBIG CONDENSER

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW32/01	B14	B14	150	
LGW32/02	B19	B19	200	
LGW32/03	B19	B19	300	
LGW32/04	B24	B24	300	
LGW32/05	B24	B24	400	
LGW32/06	B24	B24	500	
LGW32/07	B24	B24	600	
LGW32/08	B29	B29	300	
LGW32/09	B29	B29	400	
LGW32/10	B34	B34	400	
LGW32/11	B34	B34	600	



ALLIHN CONDENSER

(Bulb Condenser) with cone & socket

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW33/01	B19	B19	200	
LGW33/02	B19	B19	300	
LGW33/03	B24	B24	200	
LGW33/04	B24	B24	300	
LGW33/05	B24	B24	400	
LGW33/06	B29	B29	300	
LGW33/07	B29	B29	400	
LGW33/08	B34	B34	400	
LGW33/09	B34	B34	500	





LGW34

COIL CONDENSER (JACKETED)

Graham with cone & socket, Jacket distillate type

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW34/01	B14	B14	150	
LGW34/02	B19	B19	200	
LGW34/03	B24	B24	200	
LGW34/04	B19	B19	300	
LGW34/05	B24	B24	300	
LGW34/06	B24	B24	400	
LGW34/07	B24	B24	500	
LGW34/08	B29	B29	300	
LGW34/09	B29	B29	400	
LGW34/10	B29	B29	500	
LGW34/11	B34	B34	500	
LGW34/12	B34	B34	600	



LGW35

COIL CONDENSER (COIL)

Graham with cone & socket, Coil distillate type

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW35/01	B14	B14	150	
LGW35/02	B19	B19	200	
LGW35/03	B24	B24	200	
LGW35/04	B19	B19	300	
LGW35/05	B24	B24	300	
LGW35/06	B24	B24	400	
LGW35/07	B24	B24	500	
LGW35/08	B29	B29	300	
LGW35/09	B29	B29	400	
LGW35/10	B29	B29	500	
LGW35/11	B34	B34	500	
LGW35/12	B34	B34	600	



LGW36

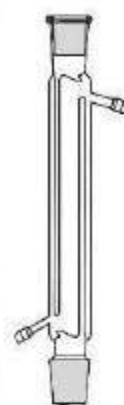
CONDENSER DOUBLE OIL-VERTICAL

For Water Distillation

Cat. No.	Cone Joint	Jacket Length (mm)	Remark
LGW36/01	B24	300	
LGW36/02	B24	375	
LGW36/03	B34	450	
LGW36/04	B55	300	
LGW36/05	B55	375	
LGW36/06	B55	450	

CONDENSERS, DAVIES (DOUBLE SURFACE)

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW37/01	B19	B19	150	
LGW37/02	B19	B19	200	
LGW37/03	B24	B24	300	
LGW37/04	B24	B24	400	
LGW37/05	B24	B24	600	
LGW37/06	B29	B29	300	
LGW37/07	B29	B29	400	
LGW37/08	B29	B29	600	
LGW37/09	B34	B34	500	
LGW37/10	B34	B34	600	



LGW37

CONDENSERS, JACKETED OIL (DOUBLE)

Cat. No.	Socket	Cone	Effective Length mm	Remark
LGW38/01	B19	B19	150	
LGW38/02	B19	B19	200	
LGW38/03	B24	B24	300	
LGW38/04	B24	B24	400	
LGW38/05	B24	B24	600	
LGW38/06	B29	B29	300	
LGW38/07	B29	B29	400	
LGW38/08	B29	B29	600	
LGW38/09	B34	B34	500	
LGW38/10	B34	B34	600	



LGW38

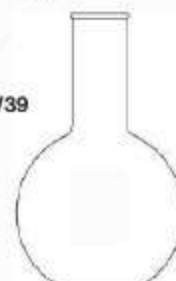
FLASKS

FLASKS • ROUND BOTTOM/FLAT BOTTOM • PLAIN NECK

Cat. No.	Capacity (ml)	Remark
LGW39/01	25	
LGW39/02	50	
LGW39/03	100	
LGW39/04	150	
LGW39/05	250	
LGW39/06	500	
LGW39/07	1000	
LGW39/08	2000	
LGW39/09	3000	
LGW39/10	5000	
LGW39/11	10000	
LGW39/12	20000	



LGW39



FLASK ROUND BOTTOM OR FLAT BOTTOM

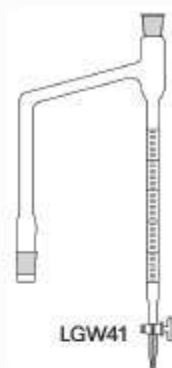


LGW40

SINGLE NECK with joint

Cat. No.	Socket	Flask Cap. ml	Remark
LGW40/04	B14	25	
LGW40/05	B14	50	
LGW40/06	B14	100	
LGW40/07	B19	50	
LGW40/08	B24	50	
LGW40/09	B19	100	
LGW40/10	B19	150	
LGW40/11	B19	250	
LGW40/12	B24	100	
LGW40/13	B24	150	
LGW40/14	B24	250	
LGW40/15	B29	250	
LGW40/16	B34	250	
LGW40/17	B24	500	
LGW40/18	B29	500	
LGW40/19	B24	1000	
LGW40/20	B24	2000	
LGW40/21	B24	3000	
LGW40/22	B29	1000	
LGW40/23	B34	1000	
LGW40/24	B34	2000	
LGW40/25	B29	3000	
LGW40/26	B34	3000	
LGW40/27	B24	5000	
LGW40/28	B34	5000	
LGW40/29	B40	5000	
LGW40/30	B55	5000	
LGW40/31	B34	10000	
LGW40/32	B40	10000	
LGW40/33	B50	10000	
LGW40/34	B55	10000	
LGW40/35	B34	20000	
LGW40/36	B40	20000	
LGW40/37	B50	20000	
LGW40/38	B55	20000	
LGW40/39	B55	50000	

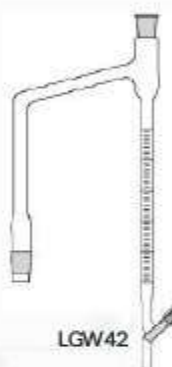
DEAN & STARK / CLEVENGAR APPARATUS



DEAN & STARK MOISTURE DETERMINATION

With P.T.F.E. Rotaflow Needle Valve / Glass Stop Cock

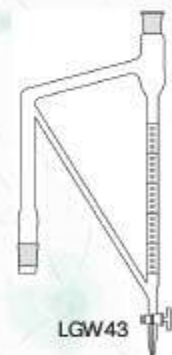
Cat. No.	Cone & Socket	Capacity ml	Remark
LGW41/01	B19	2	
LGW41/02	B24	5	
LGW41/03	B24	10	
LGW41/04	B24	25	



DEAN & STARK MOISTURE DETERMINATION

With P.T.F.E. Key Stop Cock

Cat. No.	Cone & Socket	Capacity ml	Remark
LGW42/01	B19	2	
LGW42/02	B24	5	
LGW42/03	B24	10	
LGW42/04	B24	25	



CLEVINGER APPARATUS (LIGHTER THAN WATER)

Receivers for Estimation of Volatile Oils Lighter than Water

Cat. No.	Cone & Socket	Capacity ml	Remark
LGW43/01	B19	2	
LGW43/02	B24	5	
LGW43/03	B24	10	
LGW43/04	B24	25	



CLEVINGER APPARATUS (HEAVIER THAN WATER)

Receivers for Estimation of Volatile Oils Heavier than Water

Cat. No.	Cone & Socket	Capacity ml	Remark
LGW44/01	B19	2	
LGW44/02	B24	5	
LGW44/03	B24	10	
LGW44/04	B24	25	

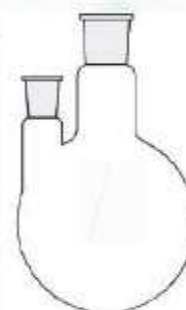
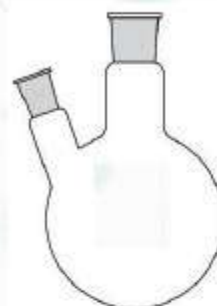
Glassware : Please refer glassware R.B. Flask catalogue no. LGW40

Glassware : Please refer glassware Liebig Condenser catalogue no. LGW32

FLASK ROUND BOTTOM

TWO NECK, centre neck and one side neck (Parallel or Angle side neck)

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Remark
LGW45/01	25	B14	B14	
LGW45/02	50	B19	B14	
LGW45/03	100	B24	B19	
LGW45/04	250	B19	B14	
LGW45/05	250	B24	B14	
LGW45/06	250	B24	B19	
LGW45/07	500	B24	B14	
LGW45/08	500	B24	B19	
LGW45/09	500	B24	B24	
LGW45/10	1000	B24	B14	
LGW45/11	1000	B24	B19	
LGW45/12	1000	B24	B24	
LGW45/13	1000	B34	B19	
LGW45/14	1000	B34	B24	
LGW45/15	2000	B24	B14	
LGW45/16	2000	B24	B19	
LGW45/17	2000	B24	B24	
LGW45/18	2000	B34	B19	
LGW45/19	2000	B34	B24	
LGW45/20	3000	B24	B19	
LGW45/21	3000	B34	B24	
LGW45/22	5000	B34	B19	
LGW45/23	5000	B34	B24	
LGW45/24	5000	B55	B24	
LGW45/25	10000	B34	B24	
LGW45/26	10000	B55	B24	
LGW45/27	20000	B34	B24	
LGW45/28	20000	B55	B24	
LGW45/29	50000	B55	B24	

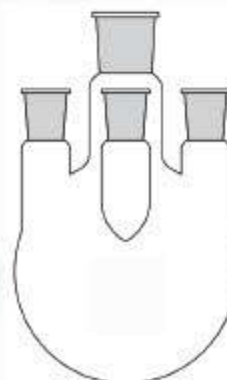


LGW45

FLASK ROUND BOTTOM

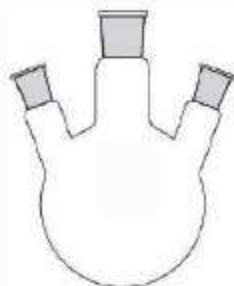
FOUR NECKS, centre neck and two side neck (Parallel or Angle side neck)

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Remark
LGW47/01	100	B24	B19	
LGW47/02	250	B24	B19 or 24	
LGW47/03	250	B29 or 34	B19 or 24	
LGW47/04	500	B24	B19 or 24	
LGW47/05	500	B29 or 34	B19 or 24	
LGW47/06	1000	B24	B19 or 24	
LGW47/07	1000	B29 or 34	B24	
LGW47/08	2000	B24	B24	
LGW47/09	2000	B29 or 34	B24	
LGW47/10	3000	B34	B24	
LGW47/11	5000	B34	B24	
LGW47/12	10000	B34	B24	
LGW47/13	10000	B55	B34	
LGW47/14	20000	B34	B24	
LGW47/15	20000	B55	B34	
LGW47/16	50000	B55	B34	

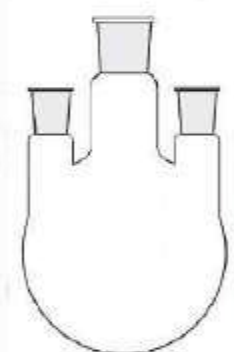


LGW47

FLASK ROUND BOTTOM



LGW46



LGW46

THREE NECKS, centre neck and two side neck (Parallel or Angle side neck)

Cat. No.	Flask Cap. ml	Centre Socket	Side Socket	Remark
LGW46/01	25	B19	B14	
LGW46/02	50	B19	B14	
LGW46/03	100	B24	B19	
LGW46/04	250	B19	B14	
LGW46/05	250	B19	B19	
LGW46/06	250	B24	B14	
LGW46/07	250	B24	B19	
LGW46/08	250	B29	B14	
LGW46/09	500	B24	B14	
LGW46/10	500	B24	B19	
LGW46/11	500	B29	B14	
LGW46/12	500	B29	B19	
LGW46/13	1000	B24	B14	
LGW46/14	1000	B24	B19	
LGW46/15	1000	B24	B24	
LGW46/16	1000	B34	B19	
LGW46/17	1000	B34	B24	
LGW46/18	2000	B24	B19	
LGW46/19	2000	B24	B24	
LGW46/20	2000	B34	B19	
LGW46/21	2000	B34	B24	
LGW46/22	3000	B34	B19	
LGW46/23	3000	B34	B24	
LGW46/24	5000	B34	B19	
LGW46/25	5000	B34	B24	
LGW46/26	5000	B45	B24	
LGW46/27	5000	B55	B24	
LGW46/28	10000	B34	B24	
LGW46/29	10000	B45	B24	
LGW46/30	10000	B55	B24	
LGW46/31	20000	B34	B24	
LGW46/32	20000	B55	B24	
LGW46/33	20000	B55	B34	
LGW46/34	50000	B55	B34	

(While placing order please mention the size the size of the centre socket and side socket and whether at angle or parallel)

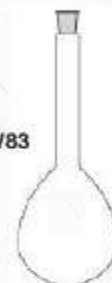
FILTER (BUCHNER) FLASK

Heavy wall, bolt neck with tubulation

Cat. No.	Flask Cap. ml	Remark
LGW82/01	50	
LGW82/02	100	
LGW82/03	250	
LGW82/04	500	
LGW82/05	1000	
LGW82/06	2000	
LGW82/07	5000	
LGW82/08	10000*	
LGW82/09	20000*	



LGW82



LGW83

FLASK KJELDHAL WITH SOCKET

Cat. No.	Flask Cap. ml	Socket Size	Remark
LGW83/01	100	B24	
LGW83/02	300	B24	
LGW83/03	500	B24	
LGW83/04	800	B24	



LGW84

FLASK KJELDHAL PLAIN - LONG NECK

Cat. No.	Flask Cap. ml	Socket Size	Remark
LGW84/01	100	B24	
LGW84/02	300	B24	
LGW84/03	500	B24	
LGW84/04	800	B24	



LGW87

FLASK IODINE

Funnel shaped cup with stopper

Cat. No.	Flask Cap. ml	Remark
LGW87/01	100	
LGW87/02	250	
LGW87/03	500	
Spare Stopper		

FLASK TILT MEASURING WITH RESERVOIR

Cat. No.	Measuring Cap. ml	Flask Capacity ml	Remark
LGW91/01	5	250	
LGW91/02	10	250	
LGW91/03	20	500	
LGW91/04	25	500	



LGW91

(While placing order please mention the size the size of the centre socket and side socket and whether at angle or parallel)

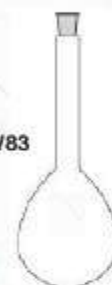
FILTER (BUCHNER) FLASK

Heavy wall, bolt neck with tubulation

Cat. No.	Flask Cap. ml	Remark
LGW82/01	50	
LGW82/02	100	
LGW82/03	250	
LGW82/04	500	
LGW82/05	1000	
LGW82/06	2000	
LGW82/07	5000	
LGW82/08	10000*	
LGW82/09	20000*	



LGW82



LGW83

FLASK KJELDHAL WITH SOCKET

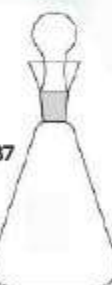
Cat. No.	Flask Cap. ml	Socket Size	Remark
LGW83/01	100	B24	
LGW83/02	300	B24	
LGW83/03	500	B24	
LGW83/04	800	B24	



LGW84

FLASK KJELDHAL PLAIN - LONG NECK

Cat. No.	Flask Cap. ml	Socket Size	Remark
LGW84/01	100	B24	
LGW84/02	300	B24	
LGW84/03	500	B24	
LGW84/04	800	B24	



LGW87

FLASK IODINE

Funnel shaped cup with stopper

Cat. No.	Flask Cap. ml	Remark
LGW87/01	100	
LGW87/02	250	
LGW87/03	500	
Spare Stopper		

FLASK TILT MEASURING WITH RESERVOIR

Cat. No.	Measuring Cap. ml	Flask Capacity ml	Remark
LGW91/01	5	250	
LGW91/02	10	250	
LGW91/03	20	500	
LGW91/04	25	500	



LGW91

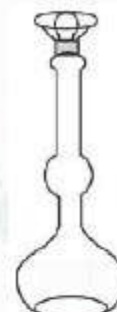
LECHATelier FLASK

For Sp. Gr. Test, Bulb Capacity approx. 250ml, neck graduation from 0 to 1ml and 18 to 24ml in 0.1ml.

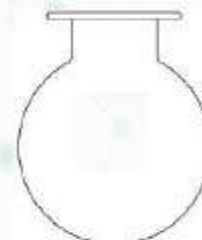
FLASK REACTION VESSEL

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

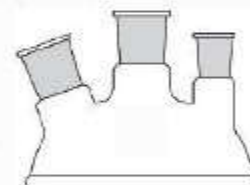
Cat. No.	Capacity ml	Remark
LGW98/01	1000	
LGW98/02	2000	
LGW98/03	3000	
LGW98/04	5000	
LGW98/05	10000	
LGW98/06	20000	



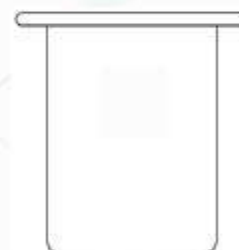
LGW97



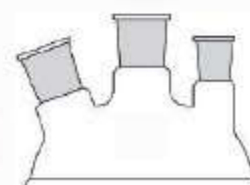
LGW98



LGW98A



LGW99



LGW99A

LIDS FOR REACTION VESSEL

Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	No. of Necks	Remark
LGW98A/01	1	
LGW98A/02	2	
LGW98A/03	3	
LGW98A/04	4	
LGW98A/05	5	

FLASK REACTION KETTLE

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Inner Dia (mm)	Height (mm)	Remark
LGW99/01	500	77	140	
LGW99/02	1000	105	150	
LGW99/03	2000	140	200	
LGW99/04	3000	155	210	
LGW99/05	4000	155	280	
LGW99/06	5000	155	350	

LIDS FOR REACTION KETTLE

Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Remark
LGW99A/01	500	
LGW99A/02	1000	
LGW99A/03	2000	
LGW99A/04	3000	
LGW99A/05	4000	
LGW99A/06	5000	

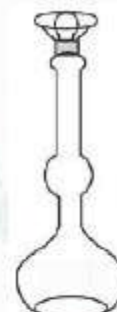
LECHATelier FLASK

For Sp. Gr. Test, Bulb Capacity approx. 250ml, neck graduation from 0 to 1ml and 18 to 24ml in 0.1ml.

FLASK REACTION VESSEL

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

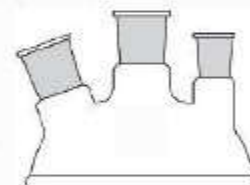
Cat. No.	Capacity ml	Remark
LGW98/01	1000	
LGW98/02	2000	
LGW98/03	3000	
LGW98/04	5000	
LGW98/05	10000	
LGW98/06	20000	



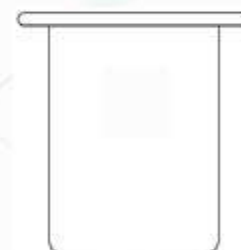
LGW97



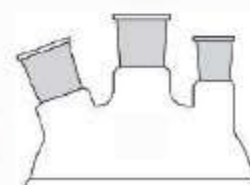
LGW98



LGW98A



LGW99



LGW99A

LIDS FOR REACTION VESSEL

Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	No. of Necks	Remark
LGW98A/01	1	
LGW98A/02	2	
LGW98A/03	3	
LGW98A/04	4	
LGW98A/05	5	

FLASK REACTION KETTLE

Wide Mouth, Flat Flange 100mm I.D., 150mm O.D.

Cat. No.	Capacity ml	Inner Dia (mm)	Height (mm)	Remark
LGW99/01	500	77	140	
LGW99/02	1000	105	150	
LGW99/03	2000	140	200	
LGW99/04	3000	155	210	
LGW99/05	4000	155	280	
LGW99/06	5000	155	350	

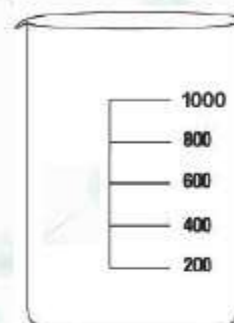
LIDS FOR REACTION KETTLE

Flat Flange 100mm I.D., 150mm O.D.

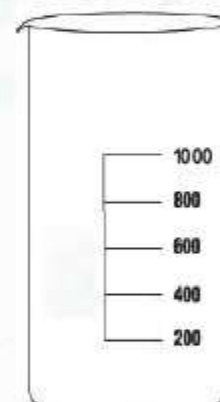
Cat. No.	Capacity ml	Remark
LGW99A/01	500	
LGW99A/02	1000	
LGW99A/03	2000	
LGW99A/04	3000	
LGW99A/05	4000	
LGW99A/06	5000	

BEAKER LOW FORM GRADUATED

High Resistance to Chemical Attack		
Cat. No.	Capacity ml	Remark
LGW104/01	5	
LGW104/02	10	
LGW104/03	25	
LGW104/04	50	
LGW104/05	100	
LGW104/06	150	
LGW104/07	250	
LGW104/08	400	
LGW104/09	500	
LGW104/10	600	
LGW104/11	1000	
LGW104/12	2000	
LGW104/13	3000	
LGW104/14	5000	
LGW104/15	10000	



LGW104



LGW104A

BEAKER TALL FORM GRADUATED

Cat. No.	Capacity ml	Remark
LGW104A/01	50	
LGW104A/02	100	
LGW104A/03	150	
LGW104A/04	250	
LGW104A/05	500	
LGW104A/06	1000	

STOPPERS

Cat. No.	Joint Size	Hollow - Hexagonal Head Remark	Hollow - Penny Head Remark
LGW732/01	B-10		
LGW732/02	B-14		
LGW732/03	B-19		
LGW732/04	B-24		
LGW732/05	B-29		
LGW732/06	B-34		
LGW732/07	B-45		
LGW732/08	B-55		



LGW732

SEPARATING FUNNELS

SEPARATING FUNNEL WITH GLASS STOPCOCK



Interchangeable Glass Stopper, conical / pear shape with plain stem		
Cat. No.	Capacity ml	Remark
LGW105/01	25/30	
LGW105/02	50/60	
LGW105/03	100/125	
LGW105/04	250	
LGW105/05	500	
LGW105/06	1000	
LGW105/07	2000	
LGW105/08	5000	
LGW105/09	10000	



SEPARATING FUNNEL WITH SCREW TYPE

P.T.F.E. Rotaflow Stopcock, interchangeable stopper, conical/ pear shape with plain stem		
Cat. No.	Capacity ml	Remark
LGW106/01	25/30	
LGW106/02	50/60	
LGW106/03	100/125	
LGW106/04	250	
LGW106/05	500	
LGW106/06	1000	
LGW106/07	2000	
LGW106/08	5000	
LGW106/09	10000	



SEPARATING FUNNEL WITH P.T.F.E. KEY

P.T.F.E. Key, interchangeable stopper, conical/pear shape with plain stem		
Cat. No.	Capacity ml	Remark
LGW107/01	25/30	
LGW107/02	50/60	
LGW107/03	100/125	
LGW107/04	250	
LGW107/05	500	
LGW107/06	1000	
LGW107/07	2000	
LGW107/08	5000	
LGW107/09	10000	
LGW107/10	20000	

LABORATORY GLASSWARE



FUNNEL - ADDITION / DROPPING

With Screw Type P.T.F.E. Needle Valve stopcock and stem with cone				
Cat. No.	Capacity ml	Socket Size	Cone Size	Remark
LGW109/01	25	B14	B14	
LGW109/02	50	B19	B19	
LGW109/03	100	B19 or 24	B19 or 24	
LGW109/04	250	B19 or 24	B19 or 24	
LGW109/05	500	B24 or 34	B24 or 34	
LGW109/06	1000	B24 or 34	B24 or 34	



LGW109

FUNNEL PRESURE EQUALISING

Cylindrical with socket, Glass Key stopcock / P.T.F.E. Rotaflow stopcock & stem with cone - Graduated

Cat. No.	Capacity ml	Socket Size	Cone Size	Remark
LGW111/01	50	B19	B19	
LGW111/02	100	B19	B19	
LGW111/03	250	B19	B19	
LGW111/04	250	B24	B24	
LGW111/05	500	B24	B24	
LGW111/06	500	B34	B34	



LGW111

FUNNEL PRESURE EQUALISING

Cylindrical with socket, P.T.F.E. Key stopcock & stem with cone- Graduated

Cat. No.	Capacity ml	Socket Size	Cone Size	Remark
LGW114/01	50	B19	B19	
LGW114/02	100	B19	B19	
LGW114/03	250	B19	B19	
LGW114/04	250	B24	B24	
LGW114/05	500	B24	B24	
LGW114/06	500	B34	B34	



LGW114

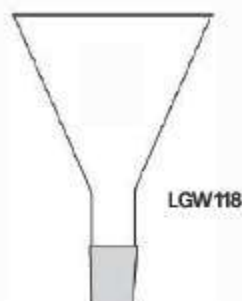
FUNNEL FILTER, PLAIN

60 degree angle with stem

Cat. No.	Diameter mm	Remark
LGW116/01	25	
LGW116/02	50	
LGW116/03	65	
LGW116/04	75	
LGW116/05	100	
LGW116/06	125	
LGW116/07	150	



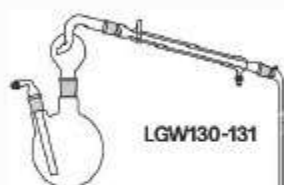
LGW116



POWDER FUNNEL WITH CONE

Cat. No.	Diameter mm	Cone Size	Remark
LGW118/01	50	B14	
LGW118/02	75	B19 or 24	
LGW118/03	100	B24	
LGW118/04	125	B24	
LGW118/05	150	B24 or 34	

INTERCHANGEABLE DISTILLATION ASSEMBLIES



STEAM DISTILLATION ASSEMBLY

Consisting of flask R.B. 500ml. Two necked, Splash head, Air leak tube, Liebig condenser 200mm, and receiver adapter



STEAM DISTILLATION ASSEMBLY

Same as cat. no.130 but capacity of flask 1000ml



STEAM DISTILLATION ASSEMBLY

consisting of flask R.B. 500ml. steam distillation head, Liebig condenser 300/400mm, and receiver adapter



STEAM DISTILLATION ASSEMBLY

Consisting of R.B. flask 250ml, multiple Adapter two necks, Liebig condenser, 300/400mm, receiver adapter and dropping funnel 100ml



DISTILLATION ASSEMBLY SIMPLE TYPE

Consisting of R.B. flask, recovery bend, Liebig condenser and receiver adapter

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Remark
LGW136/01	250	200	
LGW136/02	500	300	
LGW136/03	1000	300	
LGW136/04	2000	400	

DISTILLATION ASSEMBLY

Consisting of R.B. flask, splash head, Liebig condenser and receiver adapter

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Remark
LGW137/01	1000	200	
LGW137/02	2000	200	
LGW137/03	3000	300	
LGW137/04	5000	400	
LGW137/05	10000	600	

REFLUX ASSEMBLY

Consisting of R.B. flask and Air Condenser

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Remark
LGW143/01	100	500	
LGW143/02	250	750	
LGW143/03	500	1000	

REFLUX ASSEMBLY

Consisting of R.B. flask and Liebig Condenser

Cat. No.	Flask Cap. ml	Condenser Effective Length (mm)	Remark
LGW144/01	100	300	
LGW144/02	250	400	
LGW144/03	500	500	

KJELDHAL DISTILLATION ASSEMBLY

Micro Kjeldhal Ass. Consists of Kjeldhal Flask 500mL, Multiple Adapter Two Way, SplashHead Vertical, Liebig Condenser, Receiver Adapter & Dropping Funnel 100mL.

AMMONIA DISTILLATION APPARATUS

Consists of Kjeldhal Flask, Splash Head & Graham Condenser

R M VALUE APPARATUS

With interchangeable joints

ARSENIC APPARATUS AND MANOMETERS

ARSENIC APPARATUS

(Silver diethyldithio carbonate method) according to I.S. specifications with interchangeable fitting

ARSENIC APPARATUS

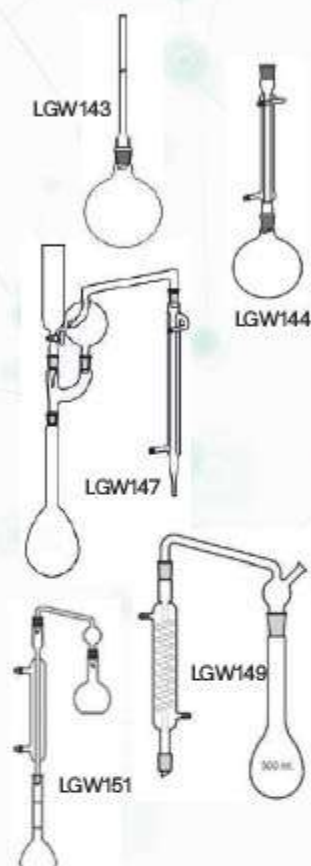
Gutzeit modified form according to I.S. specifications with interchangeable fitting

ARSENIC APPARATUS

As per B.P. specifications with soda glass bottle rubber fitting

VACUSTAT (MACLEOD)

With stand, range 10mm to 0.01mm/Hg pressure (supplied w/o mercury) mercury charges extra as per time of delivery



WATER STILL WITH MEATL HEATER

Consisting of flask extractor and condenser					
Cat. No.	Extractor cap. ml	Extractor Socket	Extractor Cone	Flask Cap. ml	Remark
LGW235/01	20	B24	B19	50	
LGW235/02	40	B29	B24	100	
LGW235/04	60	B34	B24	150	
LGW235/05	100	B34	B24	250	
LGW235/07	200	B50	B24	500	
LGW235/08	500	B55	B24	1000	
LGW235/09	600	B55	B24	2000	
LGW235/10	1000	B55	B34	3000	
LGW235/11	2000	B55	B34	5000	
LGW235/13	3000	B55	B34	10000	



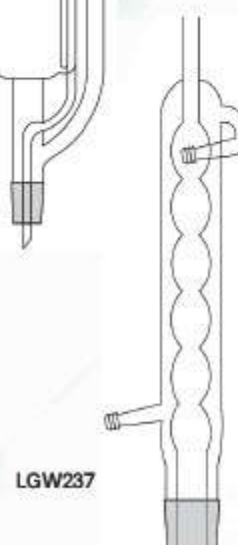
SPARE EXTRACTOR

For Soxhlet apparatus				
Cat. No.	Extractor cap. ml	Socket	Cone	Remark
LGW236/01	20	B24	B19	
LGW236/02	40	B29	B24	
LGW236/03	60	B34	B24	
LGW236/04	100	B34	B24	
LGW236/06	200	B50	B24	
LGW236/07	500	B50	B24	
LGW236/08	600	B50	B24	
LGW236/09	1000	B55	B34	
LGW236/10	2000	B55	B34	
LGW236/12	3000	B55	B34	



SPARE CONDENSERS

For Extraction Apparatus			
Cat. No.	Capacity ml	Socket	Remark
LGW237/01	40	B34	
LGW237/02	60	B34	
LGW237/03	100	B40	
LGW237/04	200	B50	
LGW237/06	500	B55	
LGW237/07	1000	B55	
LGW237/08	2000	B55	



BURETTE WITH SCREW TYPE PT.F.E. ROTA FLOW STOP COCK

Accuracy as per Class A of I.S. 1997, ISO: 385 with certificate				
Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW255/01	10	0.05	0.02	
LGW255/02	25	0.10	0.05	
LGW255/03	50	0.10	0.05	
LGW255/04	100	0.20	0.10	

BURETTE WITH SCREW TYPE PT.F.E. ROTA FLOW STOP COCK

Accuracy as per Class A of I.S. 1997, ISO: 385 AMBER COLOR with certificate				
Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW258/01	10	0.05	0.03	
LGW258/02	25	0.10	0.05	
LGW258/03	50	0.10	0.05	
LGW258/04	100	0.2	0.10	

BURETTE, AUTOMATIC ZERO

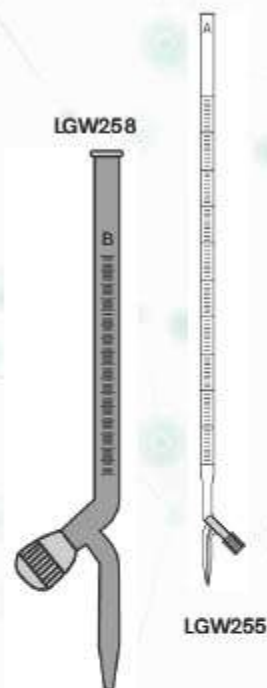
Mounted on reservoir with P.T.F.E. Rotaflow / Glass Stopcock Stop Cock, (schellback) rubber bellow, accuracy as per Class B, of I.C. 1997/2008				
Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW270/01	10	0.05	0.05	
LGW270/02	25	0.10	0.10	
LGW270/03	50	0.10	0.10	
LGW270/04	100	0.20	0.20	

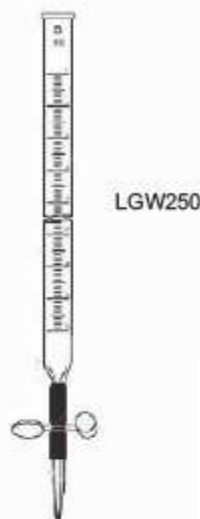
BURETTE, AUTOMATIC ZERO

Mounted on reservoir with P.T.F.E. Rotaflow / Glass Stopcock Stop Cock, (schellback) rubber bellow, accuracy as per Class A, of I.S. 1997, ISO:385				
Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW272/01	10	0.05	0.02	
LGW272/02	25	0.1	0.05	
LGW272/03	50	0.1	0.05	
LGW272/04	100	0.2	0.01	

Note: Burette Automatic Zero Can be supplied w/o schellback in glass stop cock and in P.T.F.E. stop cock on request. Spares:

- 1) SPARE RUBBER BELLOW WITH COTTON NET FOR AUTOMATIC BURETTE
- 2) BURETTE CLEANING BRUSH LONG NYLON
- 3) BURETTE STAND WITH CLAMP





LGW250

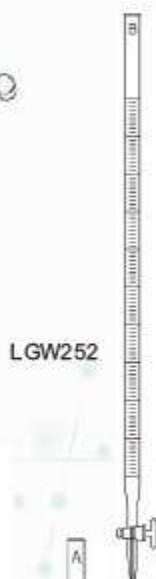
BURETTE WITH PINCH CLIP

Rubber Tubing and Glass Jet Accuracy as per Class B of I.S. 1997:2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW250/01	10	0.05	0.05	
LGW250/02	25	0.10	0.10	
LGW250/03	50	0.10	0.10	
LGW250/04	100	0.20	0.20	

Optional : Pinch Clip with Jet & Rubber T ubing

Pinch Clip Only



LGW252

BURETTE WITH STRAIGHT BORE GLASS KEY STOP COCK

Accuracy as per Class B of I.S.1997:2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW252/01	10	0.05	0.05	
LGW252/02	25	0.10	0.10	
LGW252/03	50	0.10	0.10	
LGW252/04	100	0.20	0.20	

BURETTE WITH SCREW TYPE P.T.F.E. ROTAFLOW

Needle Valve Stopcock Accuracy as per Class B of I.S. 1997, ISO: 2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW252/01	10	0.05	0.05	
LGW252/02	25	0.10	0.10	
LGW252/03	50	0.10	0.10	
LGW252/04	100	0.20	0.20	



LGW253

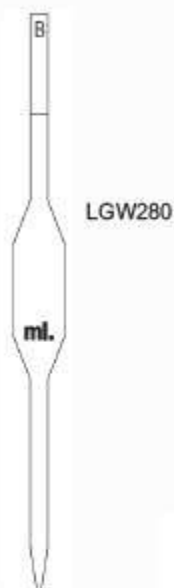


LGW254

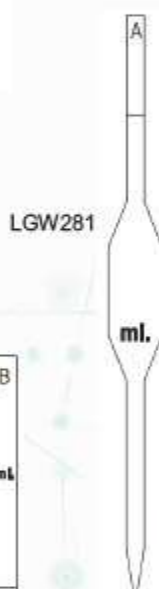
BURETTE WITH STRAIGHT BORE GLASS KEY STOP COCK

Accuracy as per Class A of I.S.1997, ISO: 385 with certificate

Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW254/01	5	0.02	0.01	
LGW254/02	10	0.05	0.02	
LGW254/03	25	0.10	0.05	
LGW254/04	50	0.10	0.05	
LGW254/05	100	0.20	0.10	



LGW280



LGW281



LGW282

PIPETTE VOLUMETRIC WITH ONE MARK

Class B Accuracy as per I.S. 1117 : 1975

Cat. No.	Cap. ml	Tolerance ± ml	Remark
LGW280/01	1	0.015	
LGW280/02	2	0.02	
LGW280/03	5	0.03	
LGW280/04	10	0.04	
LGW280/05	20	0.06	
LGW280/06	25	0.06	
LGW280/07	50	0.1	
LGW280/08	100	0.16	

PIPETTE VOLUMETRIC ONE MARK

With one mark Class A with works certificate as per IS 1117, ISO 648

Cat. No.	Cap. ml		Remark
LGW281/01	0.5*	0.006	
LGW 281/02	1	0.007	
LGW 281/03	2	0.01	
LGW281/04	2.5*	0.02	
LGW281/05	3*	0.02	
LGW281/06	4*	0.02	
LGW281/07	5	0.02	
LGW281/08	10	0.02	
LGW281/09	20	0.03	
LGW281/10	25	0.03	
LGW281/11	50	0.05	
LGW281/12	100	0.01	

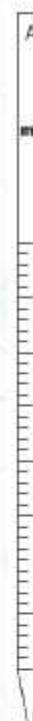
PIPETTE GRADUATED (MEASURING)

Accuracy as per class B of I.S. 835:2007

Cat. No.	Cap. ml	Sub Div. ml	Tolerance ± ml	Remark
LGW282/01	0.1	0.01	0.01	
LGW 282/02	0.2	0.01	0.01	
LGW 282/03	0.5	0.02	0.01	
LGW282/04	1	0.01	0.01	
LGW282/05	2	0.02	0.1	
LGW282/06	5	0.10	0.1	
LGW282/07	10	0.10	0.1	
LGW282/08	20	0.20	0.2	
LGW282/09	25	0.20	0.2	
LGW282/10	50	0.50	0.5	

PIPETTE GRADUATED (MEASURING)

Accuracy as per Class 'A' with works certificate of IS 4162,				
Cat. No.	Cap. ml	Sub Div. Ml	Tolerance \pm ml	Remark
LGW284/01	0.1	0.01	0.006	240.00
LGW284/02	0.2	0.01	0.006	240.00
LGW284/03	1	0.01	0.006	240.00
LGW284/05	2	0.02	0.01	240.00
LGW284/07	5	0.05	0.03	240.00
LGW284/09	10	0.10	0.05	240.00
LGW284/10	25	0.20	0.10	315.00



LGW284

MEASURING CYLINDERS

MEASURING CYLINDER GRADUATED

Class 'B' As per I.S. 878:2008				
Cat. No.	Cap. ml	Sub Div. Ml	Tolerance \pm ml	Remark
LGW295/01	5	0.1	0.1	
LGW295/02	10	0.2	0.2	
LGW295/03	25	0.5	0.5	
LGW295/04	50	1.0	1.0	
LGW295/05	100	1.0	1.0	
LGW295/06	250	2.0	2.0	
LGW295/07	500	5.0	5.0	
LGW295/08	1000	10.0	10.0	
LGW295/09	2000	20.0	20.0	



LGW295

MEASURING CYLINDER

Single metric scale, with pour out with Hexagonal Base, Class 'A' With certificate as per I.S. 878, ISO 4788

Cat. No.	Cap. ml	Sub Div. Ml	Tolerance \pm ml	Remark
LGW296/01	5	0.1	0.05	
LGW296/02	10	0.2	0.10	
LGW296/03	25	0.5	0.25	
LGW296/04	50	1.0	0.5	
LGW296/05	100	1.0	0.5	
LGW296/06	250	2.0	1.0	
LGW296/07	500	5.0	2.5	
LGW296/08	1000	10.0	5.0	
LGW296/09	2000	20.0	10.0	



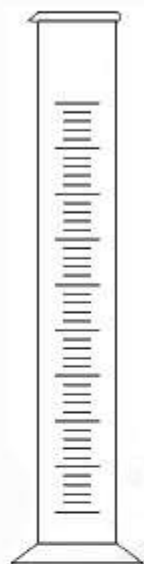
LGW296



MEASURING CYLINDER

Single metric scale, with pour out with Round Base, Class 'A' with certificate as per I.S. 878, ISO 4788

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +ml	Remark
LGW297/01	5	0.1	0.05	
LGW 297/02	10	0.2	0.10	
LGW 297/03	25	0.5	0.5	
LGW297/04	50	1.0	0.5	
LGW297/05	100	1.0	0.5	
LGW297/06	250	2.0	1.0	
LGW297/07	500	5.0	2.5	
LGW297/08	1000	10.0	5.0	
LGW297/09	2000	20.0	10.0	



LGW297

MEASURING CYLINDER STOPPERED

Single metric scale, with penny head interchangeable Stopper with Round Base, Class 'A' with certificate as per I.S. 878, ISO 4788

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +ml	Stopper Size	Remark
LGW298/01	5	0.1	0.05	B10	
LGW298/02	10	0.2	0.10	B10	
LGW298/03	25	0.5	0.25	B14	
LGW298/04	50	1.0	0.5	B19	
LGW298/05	100	1.0	0.5	B24	
LGW298/06	250	2.0	1.0	B24	
LGW298/07	500	5.0	2.5	B24	
LGW298/08	1000	10.0	5.0	B24	
LGW298/09	2000	20.0	10.0	B34	



LGW298

MEASURING CYLINDER STOPPERED

Single metric scale, with penny head interchangeable Stopper with Round Base, Class 'B' with certificate as per I.S. 878 : 2008

Cat. No.	Cap. ml	Sub Div. ml	Tolerance +ml	Stopper Size	Remark
LGW299/01	5	0.1	0.05	B10	
LGW299/02	10	0.2	0.10	B10	
LGW299/03	25	0.5	0.25	B14	
LGW299/04	50	1.0	0.5	B19	
LGW299/05	100	1.0	0.5	B24	
LGW299/06	250	2.0	1.0	B24	
LGW299/07	500	5.0	2.5	B24	
LGW299/08	1000	10.0	5.0	B24	
LGW299/09	2000	20.0	10.0	B34	



LGW299

CROW RECEIVER CYLINDER WITH STOPPER

Accuracy as per Class 'A' with certificate			
Cat. No.	Cap. ml	Tolerance \pm ml	Remark
LGW300/01	25	0.04 & 0.1	
LGW300/02	50	0.1 & 0.2	
LGW300/03	100	0.2 & 0.4	

CROW RECEIVER CYLINDER WITH STOPPER

Accuracy as per Class 'B' with certificate		
Cat. No.	Cap. ml	Remark
LGW301/01	25	
LGW301/02	50	
LGW301/03	100	



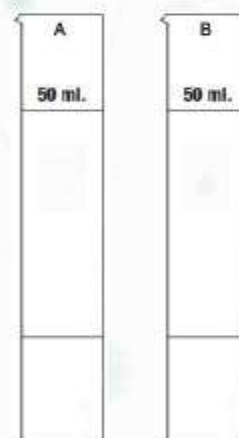
LGW300 - LGW301

NESSLER CYLINDER

Accuracy as per Class 'A' with certificate				
Cat. No.	Cap. ml	Sub Div. ml	Tolerance \pm ml	Remark
LGW302/01	25	25 & 50	0.4	
LGW302/02	50	50 & 100	0.8	

NESSLER CYLINDER GRADUATED CLASS

As per I.S. 4161 : 1967				
Cat. No.	Cap. ml	Sub Div. ml	Size	Remark
LGW303/01	50	25 & 50	26 x 150	
LGW303/02	100	50 & 100	34 x 180	



LGW302

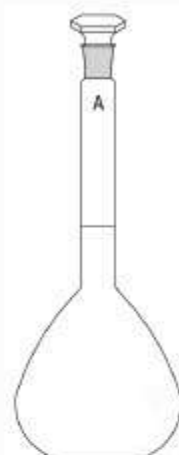
LGW303

VOLUMETRIC FLASK

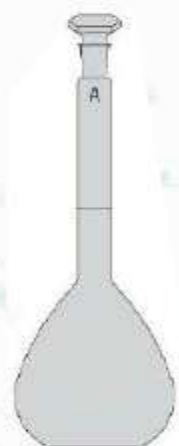
VOLUMETRIC FASK

With inter changeable stopper. accuracy as per Class 'B'				
Cat. No.	Cap. ml	Tolerance \pm ml	Stopper Size	Remark
LGW310/01	5	0.05	10/15	
LGW 310/02	10	0.05	10/15	
LGW 310/03	25	0.08	10/15	
LGW310/04	50	0.12	10/15	
LGW310/05	100	0.20	14/15	
LGW310/06	250	0.30	14/15	
LGW310/07	500	0.50	19/20	
LGW310/08	1000	0.80	19/20	
LGW310/09	2000	1.2	24/25	





LGW311



LGW312



LGW315

VOLUMETRIC FLASK

With interchangeable stopper, accuracy as per Class 'A' with certificate

Cat. No.	Cap. ml	Tolerance +ml	Stopper Size	Remark
LGW311/01	5	0.025	B10	
LGW 311/02	10	0.025	B10	
LGW311/03	20	0.04	B10	
LGW311/04	25	0.04	B10	
LGW311/05	50	0.06	B10	
LGW311/06	100	0.10	B14	
LGW311/07	200	0.15	B14	
LGW311/08	250	0.15	B14	
LGW311/09	500	0.25	B19	
LGW311/10	1000	0.40	B19	
LGW311/11	2000	0.60	B24	

VOLUMETRIC FLASK

With interchangeable stopper, accuracy as per Class 'A' with certificate 'AMBER COLOR'

LGW312/01	5	0.025	B10	
LGW 312/02	10	0.025	B10	
LGW312/03	20	0.04	B10	
LGW312/04	25	0.04	B10	
LGW312/05	50	0.06	B10	
LGW312/06	100	0.10	B14	
LGW312/07	200	0.15	B14	
LGW312/08	250	0.15	B14	
LGW312/09	500	0.25	B19	
LGW312/10	1000	0.40	B19	
LGW312/11	2000	0.60	B24	

KIPPS APPARATUS

KIPPS APPARATUS

With interchangeable joints

Cat. No.	Capacity ml.	Remark
LGW315/01	250	
LGW315/02	500	
LGW315/03	1000	

TUBES SCREW CAP/CENTRIFUGE/TEST TUBES

TUBES CULTURE MEDIA

Round Bottom with Screw Cap and P.T.F.E. / Rubber Liner			
Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW325/01	5	16 x 75	
LGW325/02	10	16 x 125	
LGW325/03	15	16 x 150	
LGW325/04	30	25 x 100	
LGW325/05	50	25 x 150	
LGW325/06	60	25 x 200	
LGW325/07	100	32 x 200	



LGW325

TUBES CULTURE MEDIA

Flat bottom with screw cap and rubber liner			
Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW327/01	5	16 x 50	
LGW327/02	10	25 x 50	
LGW327/03	15	25 x 57	
LGW327/04	30	25 x 95	
LGW327/05	50	25 x 150	



LGW327

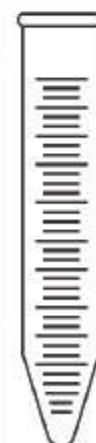
CENTRIFUGE TUBE

Conical bottom, plain			
Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW331/01	5	100 x 13	
LGW331/02	10	110 x 15	
LGW331/03	15	120 x 17	
LGW331/04	25	125 x 22	
LGW331/05	50	135 x 30	

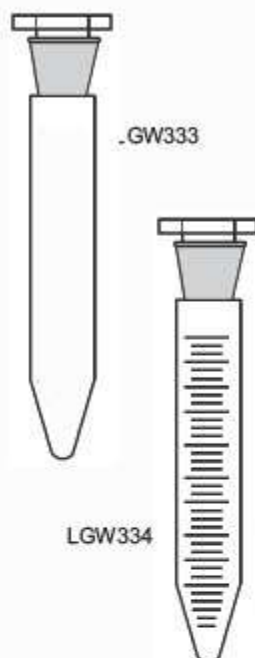
LGW331

CENTRIFUGE TUBE

Conical bottom, graduated			
Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW332/01	5	100 x 13	
LGW332/02	10	110 x 15	
LGW332/03	15	120 x 17	
LGW332/04	25	125 x 22	
LGW332/05	50	135 x 30	



LGW332



CENTRIFUGE TUBE

Conical bottom, with screw cap plain

Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW333/01	10	110 x 15	
LGW333/02	15	120 x 17	
LGW333/03	50	135 x 30	

CENTRIFUGE TUBE

Conical bottom, with screw cap graduated

Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW334/01	10	110 x 15	
LGW334/02	15	120 x 17	
LGW334/03	50	135 x 30	



TEST TUBE

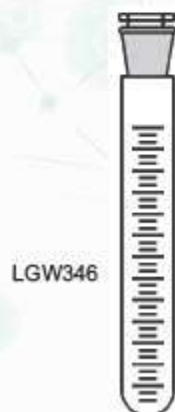
Round Bottom with Rim or w/o Rim, Plain

Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW345/01	3	10 x 75	
LGW345/02	5	12 x 75	
LGW345/03	7	12 x 100	
LGW345/04	10	15 x 125	
LGW345/05	15	15 x 150	
LGW345/06	25	18 x 150	
LGW345/07	50	25 x 150	
LGW345/08	75	25 x 200	
LGW345/09	100	32 x 200	
LGW345/10	175	38 x 200	

TEST TUBE

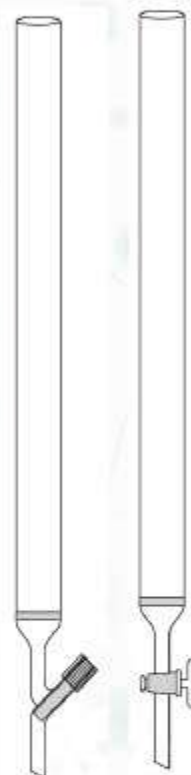
Round Bottom with Rim or w/o Rim with Stopper Graduated

Cat. No.	Cap. ml	O.D. x Length (mm)	Remark
LGW346/01	10	15 x 125	
LGW346/02	15	15 x 150	
LGW346/03	25	18 x 150	
LGW346/04	50	25 x 150	
LGW346/05	75	25 x 200	
LGW346/06	100	32 x 200	



CHROMATOGRAPHY COLUMN, WITH INTEGRAL SINTERED

Cat. No.	Effective Length, cm	Dia. mm	Stopcock type	Remark
LGW384/01	15	10	Without Stopcock	
LGW384/02	20	15	Without Stopcock	
LGW384/03	30	20	Without Stopcock	
LGW384/04	40	20	Without Stopcock	
LGW384/05	40	30	Without Stopcock	
LGW384/06	50	30	Without Stopcock	
LGW384/07	50	40	Without Stopcock	
LGW384/08	60	40	Without Stopcock	
LGW384/09	100	40	Without Stopcock	
LGW384/10	15	10	Glass Stopcock	
LGW384/11	20	15	Glass Stopcock	
LGW384/12	30	20	Glass Stopcock	
LGW384/13	40	20	Glass Stopcock	
LGW384/14	40	30	Glass Stopcock	
LGW384/15	50	30	Glass Stopcock	
LGW384/16	50	40	Glass Stopcock	
LGW384/17	60	40	Glass Stopcock	
LGW384/18	100	40	Glass Stopcock	
LGW384/19	15	10	P.T.F.E. Needle Valve Stopcock	
LGW384/20	20	15	P.T.F.E. Needle Valve Stopcock	
LGW384/21	30	20	P.T.F.E. Needle Valve Stopcock	
LGW384/22	40	20	P.T.F.E. Needle Valve Stopcock	
LGW384/23	40	30	P.T.F.E. Needle Valve Stopcock	
LGW384/24	50	30	P.T.F.E. Needle Valve Stopcock	
LGW384/25	50	40	P.T.F.E. Needle Valve Stopcock	
LGW384/26	60	40	P.T.F.E. Needle Valve Stopcock	
LGW384/27	100	40	P.T.F.E. Needle Valve Stopcock	

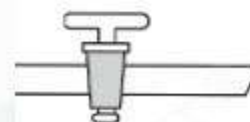


LGW384

STOP COCKS

STOP COCKS STRAIGHT BORE

Solid stopper plug, side tube		
Cat. No.	Description	Remark
LGW360/01	With Solid Plug, Side Tube 2mm Bore	
LGW360/02	With Solid Plug, Side Capillary 2mm Bore	



LGW360

FILTER APPARATUS / FILTER HOLDER

MEMBRANE FILTER HOLDER ASSEMBLY

Complete with filter flask with socket and buchner funnel with sintered disc porosity G-1 or G-2 or G-3 or G-4 having cone (Please mention porosity of disc while placing order)

Cat. No.	Flask Cap. ml	Funnel Cap. ml	Remark
LGW360/01	250	80	
LGW360/02	500	200	
LGW360/03	1000	500	
LGW360/04	2000	1000	



LGW360

BUCHNER FUNNEL GLASS WITH SENTERED DISC

Glass Funnel with Sintered Disc of Porosity G-1 or G-2 or G-3 or G-4, Plain Stem. (Please mention porosity of disc while placing order)

Cat. No.	Cap. ml	Disc Dia. mm	Remark
LGW362/01	35	30	
LGW362/02	80	40	
LGW362/03	200	65	
LGW362/04	500	90	
LGW362/05	1000	120	



LGW362

SINTERED GLASS GOOCH CRUCIBLE

Crucible Dist of Porosity G-1 or G-2 or G-3 or G-4

Cat. No.	Crucible Cap. ml	Remark
LGW365/01	15	
LGW365/02	30	
LGW365/03	50	



LGW365

MEMBRANE FILTER HOLDER ASSEMBLY

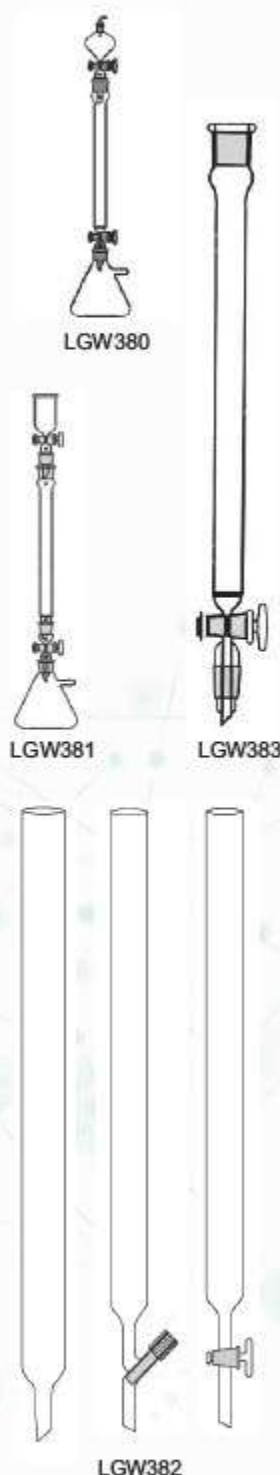
With membrane support, funnel, flask and clamp, silicone rubber cork fitting.

Cat. No.	Membrane dia (mm)	Funnel Cap. ml	Flask Cap. ml	Rubber Cone Fitting Price/pc
LGW368/01	25	25	250	
LGW368/02	25	50	500	
LGW368/03	47	300	1000	
LGW368/04	47	300	2000	



LGW368

CHROMATOGRAPHIC APPARATUS



CHROMATOGRAPHY APPARATUS SEMI MICRO

consisting of funnel reservoir 50ml. Capacity with B14 cone and socket, column tube with stopcock, 12mm dia. 10mm. effective length with B14 socket, B19 cone and fused sintered disc. Filtering flask 100ml with B19 socket and tamping rod 40cm long.

CHROMATOGRAPHIC APPARATUS

consisting of dropping funnel 250ml with B-19 cone, reduction adapter B-19 socket and B-24 cone, column tube 2cm. dia and 20mm. effective length with B-24 socket, B-19 cone and fused sintered disc. Adapter with stopcock, B-19 socket, B-24 cone, filtering flask 250ml, with B-24 socket and tamping rod 50cm long.

CHROMATOGRAPHY PLAIN ABSORPTION COLUMNS

Cat. No.	Effective Length, cm	Dia. mm	Stopcock Type	Remark
LGW382/01	20	10	Without Stopcock	
LGW382/02	30	15	Without Stopcock	
LGW382/03	50	20	Without Stopcock	
LGW382/04	60	25	Without Stopcock	
LGW382/05	60	40	Without Stopcock	
LGW382/06	100	50	Without Stopcock	
LGW382/07	20	10	Glass Stopcock	
LGW382/08	30	15	Glass Stopcock	
LGW382/09	50	20	Glass Stopcock	
LGW382/10	60	25	Glass Stopcock	
LGW382/11	60	40	Glass Stopcock	
LGW382/12	100	50	Glass Stopcock	
LGW382/13	20	10	P.T.F.E. Needle V alve Stopcock	
LGW382/14	30	15	P.T.F.E. Needle V alve Stopcock	
LGW382/15	50	20	P.T.F.E. Needle V alve Stopcock	
LGW382/16	60	25	P.T.F.E. Needle V alve Stopcock	
LGW382/17	60	40	P.T.F.E. Needle V alve Stopcock	
LGW382/18	100	50	P.T.F.E. Needle V alve Stopcock	

CHROMATOGRAPHY COLUMN, WITH INTEGRAL SINTERED DISC, SOCKET C ONE

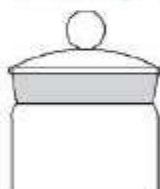
Cat. No.	Bore mm	Effective Length, mm	Socket Size	Cone Size	Stopcock Type	Remark
LGW383/01	10	100	B14	B19	Glass Stopcock	
LGW383/02	10	200	B14	B19	Glass Stopcock	
LGW383/03	10	300	B14	B19	Glass Stopcock	
LGW383/04	18	300	B24	B19	Glass Stopcock	
LGW383/05	18	400	B24	B19	Glass Stopcock	
LGW383/06	18	400	B24	B24	Glass Stopcock	



LGW363



LGW620



LGW621



LGW622



LGW622

STOP COCKS FOR BURETTE

Cat. No.	Description	Remark
LGW363/01	With Solid Plug	
LGW363/02	With Hollow Plug	
LGW363/03	With P.T.F.E. Plug	
LGW363/04	With P.T.F.E. Needle Valve Plug	

BOTTLES

WEIGHING BOTTLE (TALL FORM)

With interchangeable stopper, Tall Form

Cat. No.	O.D. x Ht. mm	Approx Cap. ml	Remark
LGW620/01	20 x 40	5	
LGW620/02	25 x 60	15	
LGW620/03	30 x 65	25	
LGW620/04	40 x 90	60	

WEIGHING BOTTLE (SQUAT FORM)

With interchangeable stopper, Squat Form.

Cat. No.	O.D. x Ht. mm	Approx Cap. ml	Remark
LGW621/01	40 x 30	20	
LGW621/02	50 x 35	25	
LGW621/03	50 x 50	50	
LGW621/04	50 x 40	40	

SPECIFIC GRAVITY BOTTLES

Ground in capillary stopper

Cat. No.	Capacity ml	Remark
LGW622/01	5	
LGW622/02	10	
LGW622/03	25	
LGW622/04	50	

SPECIFIC GRAVITY BOTTLES

Ground in capillary bore interchangeable Tafton Stopper

Cat. No.	Capacity ml	Remark
LGW623/01	5	
LGW623/02	10	
LGW623/03	25	
LGW623/04	50	

SPECIFIC GRAVITY BOTTLES (PYKNOMETER)

With Ground In thermometer range 0 to 50°C.

Cat. No.	Capacity ml	Remark
LGW624/01	10	
LGW624/02	25	
LGW624/03	50	

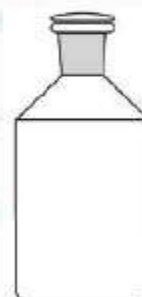


LGW624

REAGENT BOTTLE

Narrow Mouth, with interchangeable hollow stopper, CLEAR GLASS

Cat. No.	Capacity ml	Remark
LGW626/01	30	
LGW626/02	60	
LGW626/03	125	
LGW626/04	250	
LGW626/05	500	
LGW626/06	1000	
LGW626/07	2000	
LGW626/08	3000	
LGW626/09	5000	

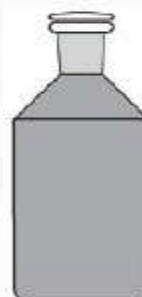


LGW626

REAGENT BOTTLE

Narrow Mouth, with interchangeable hollow stopper, Amber Colour Glass

Cat. No.	Capacity ml	Remark
LGW627/01	30	
LGW627/02	60	
LGW627/03	125	
LGW627/04	250	
LGW627/05	500	
LGW627/06	1000	
LGW627/07	2000	



LGW627

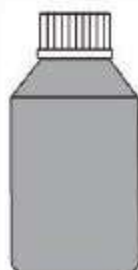
REAGENT BOTTLE

Wide Mouth with polypropylene blue screw cap, graduated, CLEAR GLASS

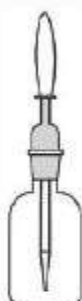
Cat. No.	Capacity ml	Remark
LGW628/01	50	
LGW628/02	100	
LGW628/03	250	
LGW628/04	500	
LGW628/05	1000	
LGW628/06	2000	
LGW628/07	5000	



LGW628



LGW629



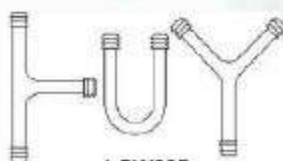
LGW630



LGW632



LGW634



LGW685

REAGENT BOTTLE

Wide Mouth with polypropylene blue screw cap, Amber Colour Glass

Cat. No.	Capacity ml	Remark
LGW629/01	25	
LGW629/02	50	
LGW629/03	100	
LGW629/04	250	
LGW629/05	500	
LGW629/06	1000	
LGW629/07	2000	
LGW629/08	5000	

DROPPING BOTTLE

Fitted with I/C stopper and dropper rubber teat, clear glass

Cat. No.	Capacity ml	Remark
LGW630/01	30	
LGW630/02	60	
LGW630/03	125	
LGW630/04	250	

B.O.D. BOTTLE WITH STOPPER

Cat. No.	Capacity ml	Remark
LGW632/01	60	
LGW632/02	125	
LGW632/03	300	
Optional : Spare Stopper for B.O.D. Bottle		

WOULF BOTTLE

With three standard joint necks

Cat. No.	Capacity ml	Remark
LGW634/01	250	
LGW634/02	500	

SUPPLEMENTARY GLASSWARE

CONNECTING TUBE T, U, Y SHAPE

Cat. No.	Tube Dia mm	Remark
LGW685/01	7	
LGW685/02	10	
LGW685/03	12	

CAPILLARY TUBES 100MM LONG

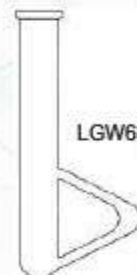
Cat. No.	Description	Remark
LGW686/01	Both ends Open	
LGW686/02	One end Closed	



LGW686

THEIL MELTING POINT TUBE'S

Cat. No.	Size mm	Remark
LGW687/01	150 x 18	
LGW687/02	150 x 25	



LGW687

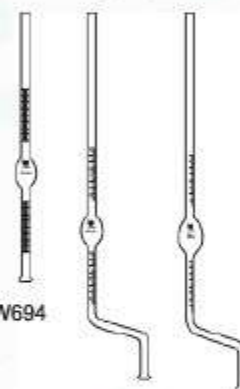
DURHAM TUBE

VISCOMETER U TUBE

Ostwald standard size College Pattern

STALGANOMETER GRADUATED

Cat. No.	Type	Remark
LGW694/01	Straight	
LGW694/02	Bent	



LGW694

POLARIMETER TUBE

With center Bulb, screw caps, cover glasses.

Cat. No.	Length mm	Remark
LGW698/01	100	
LGW698/02	200	
LGW698/03	400	



LGW698

POLARIMETER TUBE

With center Cups, screw cups, cover glasses.

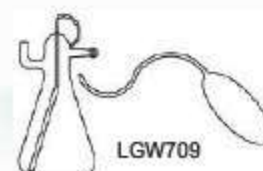
Cat. No.	Length mm	Remark
LGW699/01	100	
LGW699/02	200	
LGW699/03	400	



LGW699

CHROMATOGRAPHY SPRAYER'S WITH BELLOW

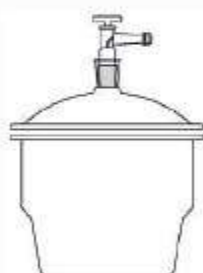
Cat. No.	Capacity ml	Remark
LGW709/01	50	
LGW709/02	100	
LGW709/03	250	



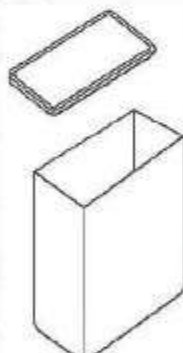
LGW709



LGW710



LGW711



LGW715



LGW718

DESSICATOR WITH COVER PLAIN

With suitable porcelain plate

Cat. No.	Size mm	Remark
LGW710/01	120	
LGW710/02	150	
LGW710/03	210	
LGW710/04	240	
LGW710/05	300	

DESSICATOR VACUUM WITH COVER AND STOP COCK

With suitable porcelain plate

Cat. No.	Size mm	Remark
LGW711/01	150	
LGW711/02	210	
LGW711/03	240	
LGW711/04	300	

JAR RECTANGULAR WITH OVER

Cat. No.	Size H x L x B	Remark
LGW715/01	140 x 215 x 100	
LGW715/02	210 x 170 x 130	
LGW715/03	220 x 140 x 140	
LGW715/04	225 x 225 x 125	
LGW715/05	250 x 250 x 150	
LGW715/06	360 x 150 x 100	
LGW715/07	380 x 280 x 230	

WATCH GLASS

Cat. No.	Size m.m.	Min. Qty Pack	Price/Pkt.
LGW718/01	50	12	
LGW718/03	65	12	
LGW718/04	75	12	
LGW718/05	100	12	
LGW718/06	125	12	
LGW718/07	150	12	

GLASSWARE / THERMOMETERS



DISHES - PETRI CULTURE, TOP & BOTTOM

Cat. No.	O.D. x Ht. mm	Remark
LGW722/01	50 x 17	
LGW722/02	80 x 17	
LGW722/03	100 x 17	
LGW722/04	150 x 20	
LGW722/05	200 x 20	



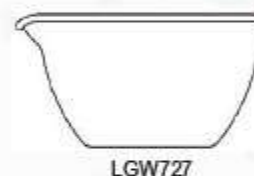
DISHES - CRYSTALLIZING, FLAT BOTTOM

Cat. No.	Size O.D. x Ht. mm	Capacity ml	Remark
LGW725/01	80 x 45	150	
LGW725/02	100 x 50	300	
LGW725/03	150 x 75	1000	
LGW725/04	190 x 100	2000	



DISHES EVAPORATING WITH POUR OUT

Cat. No.	Size O.D. x Ht. mm	Capacity ml	Remark
LGW727/01	80 x 45		
LGW727/02	105 x 55		
LGW727/03	150 x 80		
LGW727/04	200 x 100		



GLASS SPREADER

Cat. No.	Type	Remark
LGW729/01	Spreader L Shape	
LGW729/02	Spreader Triangular 50mm	



THERMOMETERS

LABORATORY THERMOMETER MERCURY FILLED

Cat. No.	Range	Division	Mercury	Red Alcoholic	Imported (Zeal)
LGW800/01	0-50°C	1/1			
LGW800/02	-10-110°	1/1			
LGW800/03	0-150°C	1/1			
LGW800/04	0-250°C	1/1			
LGW800/05	0-360°C	1/1			





LGW805



LGW470



LGW471



LGW472



LGW474



LGW478

OVEN/INCUBATOR THERMOMETERS

L shaped size 200 mm. x 200 mm. mercury in glass. accuracy ± 1 division

Cat. No.	Range	Division	Remark
LGW805/01	110°C	1°C	
LGW805/02	250°C	1°C	
LGW805/03	360°C	1°C	

MAXIMUM MINIMUM THERMOMETER WITH BODY

DO. QUALITY, PLASTIC MOULDED FRAME SIMILAR TO ZEAL

WATER STILL WITH MEATL HEATER

DO. SUPERIOR QUALITY, PLASTIC MOULDED FRAME SIMILAR TO ZEAL

WALL THERMOMETER SMALL

WALL THERMOMETER BIG

LACTOMETER

Sp. gr. range 1.000 to 1.440, silverated.

SPECIFIC GRAVITY HYDROMETERS

In 100° range, shot weighted with paper scale

Cat. No.	Range Sp.Gr.	Remark
LGW478/01	600-700	
LGW478/02	700-800	
LGW478/03	800-900	
LGW478/04	900-1000	
LGW478/05	1000-1100	
LGW478/06	1100-1200	
LGW478/07	1200-1300	
LGW478/08	1300-1400	
LGW478/09	1400-1500	
LGW478/10	1500-1600	
LGW478/11	1600-1700	
LGW478/12	1700-1800	
LGW478/13	1800-1900	
LGW478/14	1900-2000	

THERMOMETERS / HYDROMETERS



UNIVERSAL HYDROMETER

Accurate range 700–2000 sp.gr

BEAUME HYDROMETER WITH PAPER

Cat. No.	Range	Remark
LGW822/01	Light liquid range 10-70 Be, 0.700-1.000 Sp.Gr.	
LGW822/02	Heavy liquid range 0-70 Be, 1.000-2.000 Sp.Gr.	
LGW822/03	Beaume Hydrometer range 0-50 Be, 1.000-1.500 Sp.Gr.	
LGW822/04	Beaume Hydrometer range 50-70 Be, 1.500-2.000 Sp.Gr.	
LGW822/05	0-10	
LGW822/06	10-20	
LGW822/07	20-30	
LGW822/08	30-40	
LGW822/09	40-50	
LGW822/10	50-60	
LGW822/11	60-70	
LGW822/12	0-20	
LGW822/13	20-40	
LGW822/14	40-60	



LGW822

BRIX HYDROMETER WITH PAPER SCALE WIO. THERMOMETER

Cat. No.	Range	Remark
LGW824/01	0-10 Bx, 10-20 Bx, 20-30 Bx	
LGW824/02	30-40 Bx, 40-50 Bx, 50-60 Bx	
LGW824/03	60-70 Bx, 70-80 Bx, 80-90 Bx	
LGW824/04	0-30 Bx, 30-60 Bx, 60-90 Bx	



LGW824



LGWLGW08

TWADDLE HYDROMETERS

Cat. No.	Twaddle No.	Twaddle Range	Remark
LGW825/01	1	0-26	
LGW825/02	2	24-50	
LGW825/03	3	48-74	
LGW825/04	4	72-104	
LGW825/05	5	102-138	
LGW825/06	6	136-174	



Plasticware



A	Page No.	L	Page No.
Analytical Funnel	PW12	Laboratory Tray	PW34
Animal Cage	PW9	Leclanche Cell Pot	PW36
Animal Cage (Twin Grill)	PW10	L Shaped Spreader	PW33
Aspirator Bottles	PW6		
Atomic Model Set	PW14		
Atomic Model Set (Euro Design)	PW14		
B		M	
Beakers	PW1	Magenta Box	PW35
Beakers (Euro Design)	PW1	Measuring Cylinders	PW30
Beakers (Printed Graduation)	PW1	Measuring Cylinders (Hexagonal)	PW30
Buchner Funnel	PW12	Measuring Jugs	PW31
Burette	PW2	Measuring Jugs (Euro Design)	PW31
		Measuring Jugs (Printed Graduation)	PW31
		Medicine Cup	PW37
		MCT Box	PW18
		MCT Twin Rack	PW17
		Micro Pestle	PW33
		Micro Test Plates	PW23
		Micro Tip Box	PW23
C		N	
Carboy	PW6	Narrow Mouth Bottle	PW5
Carboy with Stop Cock	PW6	Nestler Cylinder Stand	PW25
Carrier Tray	PW35		
Centrifuge Tube Box	PW18		
Centrifuge Tube Conical Bottom	PW18		
Centrifuge Tube Round Bottom	PW6		
Conical Flask	PW7		
Conical Measures	PW31		
Connectors (T & Y)	PW8		
Connectors (Cross)	PW9		
Connectors (L Shaped)	PW9		
Collection Vial	PW21	O	
Coplin Jar	PW15	Oak Ridge Centrifuge Tubes	PW19
Coplin Jar (Euro Design)	PW14		
Crystal Model Set	PW14		
Cyro Box (PC)	PW23		
Cyro Box (PP)	PW23		
Cyro Coders	PW22		
Cyro Rack	PW22		
Cyro Vial	PW22		
D		P	
Desiccator (Plain)	PW11	Pasteur Pipette	PW2
Desiccator (Vacuum)	PW11	PCR Tube Rack	PW17
Desiccator (Vacuum-All Clear)	PW11	Petri Dish	PW13
Draining Basket	PW28	Petri Dish (Culture)	PW13
Draining Rack	PW35	Pipette Box	PW29
Dropping Bottles	PW2	Pipette Pump	PW2
Dropping Bottles (Euro Design)	PW3	Pipette Stand (Horizontal)	PW28
		Pipette Stand (Vertical)	PW28
		Pipette Stand (94 Pipettes-Rotary)	PW29
		Pinch Clip	PW9
		Plantation Pots	PW34
		Plastic Stoppers	PW20
		Pneumatic Trough	PW34
		Policemen Stirring Rods	PW33
		Powder Funnels	PW13
F		R	
Fisher Clamp	PW7	Rack for Micro Centrifuge (Folding)	PW27
Flask Stand	PW8	Rack for Micro Centrifuge Tubes	PW25
Float Rack	PW17	Rack for Petri Dishes	PW24
Funnel Holder	PW8	Rack for Scintillation Vial	PW22
Funnel-Long Stem	PW12	Reagent Bottles (Narrow Mouth)	PW3
		Reagent Bottles (Narrow Mouth-HDPE)	PW3
		Reagent Bottles (Narrow Mouth-Amber)	PW4
		Reagent Bottles (Wide Mouth)	PW4
		Reagent Bottles (Wide Mouth-HDPE)	PW4
		Reagent Bottles (Wide Mouth-Amber)	PW5
		Reagent Reservoir	PW29
		Retort Stand	PW10
		Ria Vial	PW20
		Rotatable Multi Rack	PW24
H			
Heavy Duty Vacuum Bottle	PW5		
I			
Industrial Funnels	PW13		
Instrument Tray	PW35		
K			
Kipp's Apparatus	PW12		

S

Sample Container (Press & Fit Type)
Scoop
Seperatory Funnel
Seperatory Funnel Holder
Scintillation Vial
Simple Cell Pot
Slide Box
Slide Draining Tray
Slide File
Slide Box with Hinges
Slide Mailer
Slide Mailer Transparent
Slide Storage Rack
Slide Tray
Soft Loop Sterile
Spatula
Specimen Jar (Gas Jar)
Spares
Staining Box
Stirrers
Stool Container
Stop Cocks
Storage Boxes
Storage Vial
SV10-SV5

Page No.

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PW36
PW21
PW21



T

Test Tube Baskets
Test Tube Baskets (with Cover)
Test Tube Cap
Test Tube Peg Rack
Test Tube Stand
Test Tube Stand (3 Tier) PP
Test Tube Stand (3 Tier) PC
Test Tube Stand (Round)
Test Tube Stand (Wire Pattern)
Test Tube Stand (Wire Pattern-fix)
Test Tube with Screw Cap

PW27
PW28
PW20
PW26
PW25
PW26
PW26
PW25
PW27
PW27
PW20

U

Universal Multi Rack
Universal Reagent Reservoir
Utility Tray
Urine Container

PW24
PW29
PW34
PW19

V

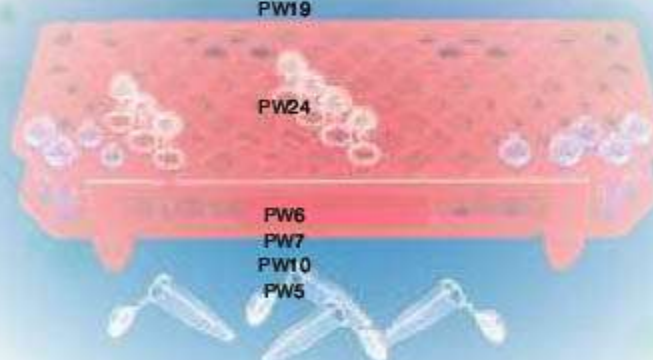
Volumetric Flask

PW24

W

Wash Bottles
Wash Bottles (New Type)
Water Bottles (Animal Cage)
Wide Mouth Square Bottle

PW6
PW7
PW10
PW5



BEAKERS

Beakers, moulded in Polypropylene have excellent clarity and very good chemical resistance. These autoclavable Beakers have prominently raised graduations on the outer surface. Pouring a solution becomes very convenient because of its tapered spout.

CODE NO.	PARTICULARS	LEAST COUNT	PACKING
100-A	50 mL	5	12 Pcs.
100-B	100 mL	5	12 Pcs.
100-C	250 mL	10	12 Pcs.
100-D	500 mL	10	12 Pcs.
100-E	1000 mL	25	6 Pcs.
100-F	2000 mL	250	6 Pcs.



BEAKERS (EURO DESIGN)

CODE NO.	PARTICULARS	LEAST COUNT	PACKING
100-G	25 mL	5	12 Pcs.
100-H	50 mL	5	12 Pcs.
100-I	100 mL	5	12 Pcs.
100-J	250 mL	10	12 Pcs.
100-K	500 mL	10	12 Pcs.
100-L	1000 mL	20	6 Pcs.
100-M	2000 mL	50	6 Pcs.
100-N	5000 mL	200	2 Pcs.



BEAKERS (PRINTED GRADUATION)

Like other beakers, these beakers also, moulded in polypropylene have excellent clarity as well as very good chemical resistance. The prominent feature of these beakers is the easy to read printed graduations. These beakers in PP are autoclavable.

CODE NO.	PARTICULARS	LEAST COUNT	PACKING
100-O	50 mL	5	12 Pcs.
100-P	100 mL	10	12 Pcs.
100-Q	250 mL	25	12 Pcs.
100-R	500 mL	50	12 Pcs.
100-S	1000 mL	50	6 Pcs.
100-T	2000 mL	100	6 Pcs.
100-U	5000 mL	500	6 Pcs.
100-V	10000 mL	1000	2 Pcs.





BURETTE

This Burette has a transparent acrylic pipe and a leakproof TPX stopcock fitted with a self lubricating PTFE plug. Each Burette is individually calibrated to give maximum accuracy. Acrylic body is unaffected by dilute mineral acids & bases except Hydrofluoric Acid & Ammonium Hydroxide. The pH range of 1-14 is ideal and can be used up to 5% wt/wt of acids or 30% bases.

CODE NO.	PARTICULARS	PACKING
101-A	25 mL	10 Pcs.
101-B	50 mL	10 Pcs.
101-C	100 mL	10 Pcs.

PIPETTE PUMP

presents. fast release pipetting device for precise pipetting & zip quick emptying. The Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip-quick emptying. The moulded chuck has a silicon rubber collet inside to hold various pipettes of standard sizes. It resists acids & alkalies and can be easily disassembled for thorough cleaning.

CODE NO.	PARTICULARS	PACKING
102-A	2 mL	12 Pcs.
102-B	10 mL	12 Pcs.
102-C	25 mL	12 Pcs.



PASTEUR PIPETTE

These disposable pipettes made in low density polyethylene have a bulb and graduations also. These pipette have excellent reproducibility of the no. of drops per milliliters thus making them a best option for distributing aliquots of liquid portions. The long slender tip guarantees precision transfer of the sample.

CODE NO.	PARTICULARS	PACKING
103-A	1 mL	500
103-B	3 mL	500

DROPPING BOTTLES

Blown in Low Density Polyethylene, Dropping Bottles dispense small uniform drops of liquids when pressed lightly.

CODE NO.	PARTICULARS	PACKING
104-A	60 mL	12 Pcs.
104-B	125 mL	12 Pcs.





DROPPING BOTTLES (EURO DESIGN)

These bottles made in low density polyethylene dispense small uniform drops of liquids. The unique feature of these bottles is the screw Cap with lid

CODE NO.	PARTICULARS	PACKING
105-A	15 mL	12 Pcs.
105-B	50 mL	12 Pcs.
105-C	60 mL	12 Pcs.
105-D	125mL	12 Pcs.
105-E	250 mL	12 Pcs.

REAGENT BOTTLES (NARROW MOUTH)

These Narrow Mouth Reagent Bottles are available in Polypropylene The PP bottles are rigid, translucent and have excellent contact clarity, These bottles can be autoclaved filled as well as empty. The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

CODE NO.	PARTICULARS	PACKING
106-A	4 mL	100 Pcs.
106-B	8 mL	100 Pcs.
106-C	15 mL	100 Pcs.
106-D	30 mL	12 Pcs.
106-E	60 mL	12 Pcs.
106-F	125 mL	12 Pcs.
106-G	250 mL	12 Pcs.
106-H	500 mL	12 Pcs.
106-I	1000 mL	6 Pcs.



REAGENT BOTTLES (NARROW MOUTH)

These narrow mouth reagent bottles available in high density polyethylene are highly reliable & durable. Rigid & translucent, these bottles are not autoclavable. The seal ring inside the cap make these bottles totally leak proof.

CODE NO.	PARTICULARS	PACKING
107-A	4 mL	100 Pcs.
107-B	8 mL	100 Pcs.
107-C	15 mL	100 Pcs.
107-D	30 mL	100 Pcs.
107-E	60 mL	100 Pcs.
107-F	125 mL	48 Pcs.
107-G	250 mL	24 Pcs.
107-H	500 mL	24 Pcs.
107-I	1000 mL	12 Pcs.



PLASTICWARE



REAGENT BOTTLES (NARROW MOUTH)

These narrow mouth reagent bottles available in HDPE are highly recommended for reducing UV light transmission to help protect light sensitive reagents. Rigid & opaque, these bottles are not autoclavable. The seal ring inside the cap make these bottles totally leak proof

CODE NO.	PARTICULARS	PACKING
108-A	4 mL	100 Pcs.
108-B	8 mL	100 Pcs.
108-C	15 mL	100 Pcs.
108-D	30 mL	100 Pcs.
108-E	60 mL	100 Pcs.
108-F	125 mL	48 Pcs.
108-G	250 mL	24 Pcs.
108-H	500 mL	24 Pcs.
108-I	1000 mL	12 Pcs.



REAGENT BOTTLES (WIDE MOUTH)

These Wide Mouth Reagent Bottles are available in Polypropylene The PP bottles are rigid, translucent and have excellent contact clarity. These bottles can be autoclaved filled as well as empty. The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

CODE NO.	PARTICULARS	PACKING
109-A	30 mL	12 Pcs.
109-B	60 mL	12 Pcs.
109-C	125 mL	12 Pcs.
109-D	250 mL	12 Pcs.
109-E	500 mL	12 Pcs.
109-F	1000 mL	6 Pcs.



REAGENT BOTTLES (WIDE MOUTH)

These wide mouth reagent bottles available in high density polyethylene are highly reliable & durable. Rigid & translucent, these bottles are not autoclavable. The seal ring inside the cap make these bottles totally leak proof.

CODE NO.	PARTICULARS	PACKING
110-A	30 mL	100 Pcs.
110-B	60 mL	100 Pcs.
110-C	125 mL	48 Pcs.
110-D	250 mL	24 Pcs.
110-E	500 mL	24 Pcs.
110-F	1000 mL	12 Pcs.



PLASTICWARE



REAGENT BOTTLES (WIDE MOUTH)

These wide mouth reagent bottles available in HDPE are highly recommended for reducing UV light transmission to help protect light sensitive reagents. Rigid & opaque, these bottles are not autoclavable. The seal ring inside the cap make these bottles totally leak proof

CODE NO.	PARTICULARS	PACKING
111-A	30 mL	100 Pcs.
111-B	60 mL	100 Pcs.
111-C	125 mL	48 Pcs.
111-D	250 mL	24 Pcs.
111-E	500 mL	24 Pcs.
111-F	1000 mL	12 Pcs.

NARROW MOUTH BOTTLE

This autoclavable bottle, made of polypropylene, can be used for storing & transferring chemicals and other reagents safe & sound.

CODE NO.	PARTICULARS	PACKING
112	4000 mL	1 Pcs.



WIDE MOUTH SQUARE BOTTLE

This autoclavable bottle, made of polypropylene, & shipping chemicals & reagents. Being wide mouthed, it is always convenient to pour in & take out the reagents. The built in depressions on two sides provide excellent grip while holding this bottle.

CODE NO.	PARTICULARS	PACKING
113	4000 mL	1 Pcs.

HEAVY DUTY VACCUM BOTTLE

This autoclavable bottle, made of polypropylene, has thick walls, is rugged & can be used for repeated applications of vacuum.

CODE NO.	PARTICULARS	PACKING
114	2000 mL	1 Pcs.



PLASTICWARE



CARBOY

Carboys, made of polypropylene, are much lighter than glass. These autoclavable, dependable & durable Carboys are provided with wide handles making it convenient while carrying or pouring purposes.

CODE NO.	PARTICULARS	PACKING
115-A	10 Ltrs.	1 Pcs.
115-B	20 Ltrs.	1 Pcs.

CARBOY WITH STOP COCK

Adding in line of Aspirators, these polypropylene Carboys are autoclavable, dependable & durable. These are also equipped with a leak proof spigot screwed to the body. These carboys are an excellent replacement for glass carboys and are used for storing & dispensing distilled water & other laboratory solutions.

CODE NO.	PARTICULARS	PACKING
116-A	10 Ltrs.	1 Pcs.
116-B	20 Ltrs.	1 Pcs.



ASPIRATOR BOTTLES

Aspirator Bottles are made of Polypropylene and are therefore much lighter than glass. These are autoclavable, durable & dependable. The leakproof spigot screwed to the bottle body requires only a half turn to open or close. These bottles are used for storing or dispensing distilled water & other laboratory solutions. Threads should be totally disengaged before autoclaving.

CODE NO.	PARTICULARS	PACKING
117-A	2 mL	1 Pcs.
117-B	5 mL	1 Pcs.
117-C	10 mL	1 Pcs.
117-D	20 mL	1 Pcs.

WASH BOTTLES

Wash Bottles are made of Low Density Polyethylene which gives these bottles a translucent & unbreakable character, Solutions can be poured easily by squeezing the bottle lightly. The cap is fitted with a flexible polyethylene delivery tube which can be aimed wherever required.

CODE NO.	PARTICULARS	PACKING
118-A	125 mL	12 Pcs.
118-B	250 mL	12 Pcs.
118-C	500 mL	6 Pcs.
118-D	1000 mL	6 Pcs.





WASH BOTTLES (New Type)

These Bottles are also made of Low Density Polyethylene and are therefore translucent & unbreakable. The distinguishing feature that these bottles contain is the built in delivery tube making it a one-piece Wash Bottle, These Bottles are graduated on the outer surface to give an approximate idea about the volume of solution filled or dispensed.

CODE NO.	PARTICULARS	PACKING
119-A	250 mL	12 Pcs.
119-B	500 mL	12 Pcs.
119-C	125 mL	12 Pcs.

CONICAL FLASK

Made of Polypropylene, these cone shaped flasks are rigid, translucent & autoclavable. The screw cap keeps the contents of the flask contamination free and makes the flask leakproof. Threads should be disengaged before autoclaving

CODE NO.	PARTICULARS	PACKING
120-A	100 mL	12 Pcs.
120-B	250 mL	12 Pcs.
120-C	500 mL	12 Pcs.



SPECIMEN JAR (Gas jar)

These transparent Specimen Jars, used for preserving different specimens in the lab are provided with a cap that fits in tight. These jars provided excellent protection to the species preserved in it.

CODENO.	PARTICULARS	PACKING
121	Ø 50 mm x h 150 mm	100 Pcs.

FISHER CLAMP

These Clamps are moulded in Polypropylene making it completely corrosion-proof. The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping. Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8".

CODENO.	PARTICULARS	PACKING
122-A	Fisher Clamp- Single	12 Pcs.
122-B	Fisher Clamp- Single	6 Pcs.



PLASTICWARE



FUNNEL HOLDER

Made of Polypropylene, these corrosion free Funnel Holders can hold funnels with dia 3" to 6". The extra plate provided can be placed to hold funnels bearing dia 1" to 3". Two tapered wedges are provided to ensure firm grip on Rods having dia 1/2" or 3/8"

CODE NO.	PARTICULARS	PACKING
123-A	Funnel Holder - Single	12 Pcs.
123-B	Funnel Holder - Double	6 Pcs.

SEPERATORY FUNNEL HOLDER

This non-corrosive Seperatory Funnel Holder, moulded in Polypropylene, has a front opening which provides clear view of the solution and allows unobstructed placement of seperating funnels, Two tapered wedges are provided to ensure firm grip on rods having dia 1/20 or 3/8".

CODE NO.	PARTICULARS	PACKING
124	Seperatory Funnel Holder	12 Pcs.



FLASK STAND

Moulded in Polypropylene, this Flask Stand gives a stair-like top view. Every step provides excellent support to the round bottom flask at every point Of Contact. This Flask Stand can hold round bottom Flasks up to 10 l-tr. capacity. This Stackable Flask Stand can also be steam autoclaved.

CODE NO.	PARTICULARS	PACKING
125	Flask Stand	6 Pcs.

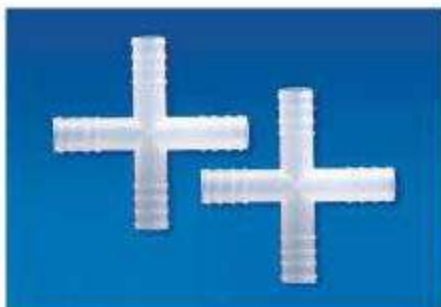
CONNECTORS (T & Y)

These connectors add to the existing range Of connectors. The crest & valley structure provided at all the ends of the connectors give excellent leakproof grip to the tube.

CODE NO.	PARTICULARS	PACKING
126-A	T Connector-6mm	36 Pcs.
126-B	Y Connector-6mm	36 Pcs.
126-C	T Connector-8mm	36 Pcs.
126-D	Y Connector-8mm	36 Pcs.
126-E	T Connector-10mm	36 Pcs.
126-F	Y Connector-10mm	36 Pcs.



PLASTICWARE



CONNECTORS (Cross)

These four way connectors prove to be an excellent option for achieving leakproof joints in tubing connections.

CODE NO.	PARTICULARS	PACKING
127-A	Cross Connector-6mm	36 Pcs.
127-B	Cross Connector-8mm	36 Pcs.
127-C	Cross Connector-10mm	36 Pcs.

CONNECTORS (L Shaped)

These L shaped connectors also add to the range of different connectors committed to provide excellent leakproof tube arrangements.

CODE NO.	PARTICULARS	PACKING
128-A	L Connector-6mm	36 Pcs.
128-B	L Connector-8mm	36 Pcs.
128-C	L Connector-10mm	36 Pcs.



PINCH CLIP

Pinch clip moulded in polypropylene is the best in class ON/OFF ratchet clamp that can be used with tubing having O.D. 5 mm to 9.5 mm, These Pinch clips can be autoclaved,

CODE NO.	PARTICULARS	PACKING
129	Pinch Clip	12 Pcs.

ANIMAL CAGE

Available in two different sizes, these Cages provide excellent shelter for different animal species in the laboratory, The metallic top provides proper ventilation and has provisions for feeding the species,

CODE NO.	PARTICULARS	PACKING
130-A	290x220x140 mm	1 Pcs.
130-B	430x270x150 mm	1 Pcs.



PLASTICWARE



WATER BOTTLE- (ANIMAL CAGE)

These water bottles prove to be an excellent accessory for the species kept in the cages.

CODE NO.	PARTICULARS	PACKING
131-A	Water Bottle- 125 mL	12 Pcs.
131-B	Water Bottle- 250 mL	12 Pcs.

ANIMAL CAGE (Twin Grill)

Adding in line with the existing range, these Animal Cages are provided with a Stainless Steel grill at the bottom of the cage to provide a clean surface for the species to move on.

CODENO.	PARTICULARS	PACKING
132-A	290 x 220 x 140 mm	1 Pcs.
132-B	430 x 270 x 150 mm	1 Pcs.



RESORT STAND

These non-corrosive moulded Retort Stands provide excellent replacement for the metal ones. Even the metallic rod has a polypropylene covering making it non-corrosive. The rod measuring 12.5 mm x 750 mm can be screwed into the heavy base giving way to a perfectly stable Retort Stand.

CODE NO.	PARTICULARS	PACKING
133-A	225x150 mm-Side Hole	1 Pcs.
133-B	300x200 mm-Center Hole	1 Pcs.
133-C	300x200 mm-Side Hole	1 Pcs.

BEAKERS DESICCATOR (VACCUUM)

Desiccators are made of Polypropylene and Polycarbonate. These autoclavable vacuum desiccators can hold vacuum upto 740 mm of Hg for 24 hrs. without any greasing. The top dome, moulded in rigid and transparent Polycarbonate, gives a crystal clear view of the desiccant placed inside. The Knurled knob on the top provides easy handling of the dome. The lower part is made of Polypropylene. An internal groove is provided on the flange to hold a silicon rubber O-Ring. The Polypropylene stopcock is fitted with a self lubricating PTFE plug. This plug works three way i.e. vacuum creation, shutting off & vacuum releasing.



CODE NO. VACCUUM	SIZE (mm)	FLANGE O.D.(mm)	I.D. (mm)	PACKING
134-A	150	171	150	1 Pcs.
134-B	200	232	199	1 Pcs.
134-C	250	276	240	1 Pcs.
134-D	300	340	300	1 Pcs.

DESICCATOR (VACCUUM) - ALL CLEAR

These Vacuum Desiccators are provided with a transparent polycarbonate bottom that makes it more robust and provides excellent view of the desiccator. All the other features are same as PP/PC vacuum desiccators,

CODE NO. VACCUUM	SIZE (mm)	FLANGE O.D.(mm)	I.D. (mm)	PACKING
135-A	150	171	150	1 Pcs.
135-B	200	232	199	1 Pcs.
135-C	250	276	240	1 Pcs.
135-D	300	340	300	1 Pcs.



STOP COCKS

These polypropylene Stop Cocks are fitted with a PTFE plug & have serrated tubulations that accept from 6 mm to 10 mm tubing. These Stop Cocks are absolutely leakproof and are available in two different way & 3 way

CODENO.	PARTICULARS	PACKING
137-A	Stop Cock 2 Way	6 Pcs.
137-B	Stop Cock 3 Way	6 Pcs.



DESICCATOR (PLAIN)

Plain Desiccators are physically the same as Vacuum Desiccator. Only difference is the absence of stop cock. Grease should be applied on the flanges to make it air tight.

CODENO. VACCUUM	SIZE (mm)	FLANGE O.D.(mm)	I.D. (mm)	PACKING
136-A	150	171	150	1 Pcs.
136-B	200	232	199	1 Pcs.
136-C	250	276	240	1 Pcs.
136-D	300	340	300	1 Pcs.

Both Vacuum & Plain Desiccators are provided with a thick perforated Polypropylene disc with 1 big hole in the centre for easy lifting. The tiny holes in the disc provides & support to the dishes. However porcelain discs are advisable in case of crucibles.





KIPP'S APPARATUS

Kipp's Apparatus made of Polypropylene has three main portions. The top portion is fitted with a thistle funnel and a bulb structure through which dilute acid can be poured which reacts with a metal sulphide in the base of the Apparatus. H₂S gas then evolved collects in the middle dome from where it can be released through a leakproof stopcock fitted with a self lubricating PTFE plug. The base is provided with a residual outlet fitted with a cap for easy cleaning.

CODE NO.	PARTICULARS	PACKING
138-A	250 mL.	1 Pcs.
138-B	500 mL.	1 Pcs.
138-C	1000 mL.	1 Pcs.

FUNNELS - LONG STEM

These long stem funnels have smooth walls, 60° cone angle and external ribs to prevent air lock. Moulded in Polypropylene, these clear funnels can also be steam autoclaved.

CODE NO.	PARTICULARS	INSIDE Ø	STEM LENGTH	PACKING
139-A	100	93	84	36 Pcs.
139-B	150	148	55	12 Pcs.



BUCHNER FUNNEL

Moulded in Polypropylene, these two piece funnels are light weight, easy to clean & autoclavable. The top portion can be snap fitted with the lower one forming a vacuum seal which does not require greasing. The base of the top portion has a perforated filter plate.

CODE NO.	PARTICULARS	PACKING
140-A	70 mm	12 Pcs.
140-B	110 mm	6 Pcs.
140-C	90 mm	12 Pcs.

ANALYTICAL FUNNEL

Designed specifically for analytical chemistry, the body of the funnels is 60°. Moulded in PP, these funnels are provided with internal & external ribs to prevent air blockage.

CODE NO.	PARTICULARS	INSIDE Ø	STEM LENGTH	PACKING
141-A	35 mm.	35	37	72 Pcs.
141-B	50 mm.	50	50	72 Pcs.
141-C	62 mm.	62	67	36 Pcs.
141-D	75 mm.	75	77	36 Pcs.
141-E	100 mm.	100	95	36 Pcs.

PLASTICWARE



POWDER FUNNELS

These polypropylene funnels are best suited for transferring powdered reagents. The unique feature of these funnels is its parallel stem that minimizes bridging of powder. These funnels are steam autoclavable at 121°C.

CODE NO.	PARTICULARS	INSIDE Ø	STEM LENGTH	PACKING
142-A	65 mm.	65	22	36 Pcs.
142-B	80 mm.	78	30	36 Pcs.
142-C	100 mm.	100	33	36 Pcs.
142-D	150 mm.	145	30	12 Pcs.

INDUSTRIAL FUNNELS

Industrial Funnel are designed in such a way that they make filling of carboys, drums and barrels very convenient. The handles of these funnels make their handling very easy.

CODENO.	PARTICULARS	PACKING
143-A	200 mm	12 Pcs.
143-B	250 mm	6 Pcs.



PETRI DISH

These Polypropylene Petri Dishes are clear, unbreakable & autoclavable.

CODE NO.	PARTICULARS	PACKING
144-A	50 mm	36 Pcs.
144-B	75 mm	36 Pcs.
144-C	100 mm	36 Pcs.
144-D	125 mm	12 Pcs.
144-D	150 mm	12 Pcs.

PETRI DISH (Culture)

These PS Petri Dish with fitting proves excellent for culture exp. Made in polystyrene, this transparent Petri Dish provides excellent inside view.

CODENO.	PARTICULARS	PACKING
145	Petri Dish	12 Pcs.





ATOMIC MODEL SET

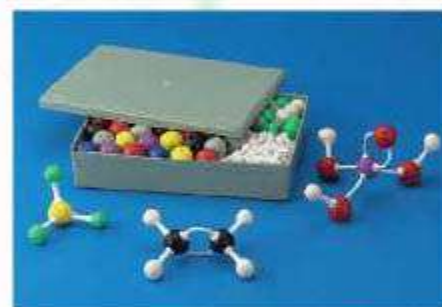
These sets consist of moulded balls of different colours and sizes along with connecting lugs of different sizes. These sets are very helpful in modelling different organic & Inorganic compounds. **SENIOR SET** : This set consists of 185 lugs & 370 balls of prescribed colours & sizes packed in a moulded box having separate space for every particular colour & size of ball. **JUNIOR SET** : This set consists of 37 connecting lugs & 75 balls of different colours & sizes packed in a moulded box.

CODENO.	PARTICULARS	PACKING
146-A	Senior Set	1 Pcs.
146-B	Junior Set	1 Pcs.

ATOMIC MODEL SET (Euro Design)

This set consists of moulded balls of different colours & sizes along with connectors of different sizes. The sizes & shapes of the balls & connecting lugs have been designed in accordance with internationally acceptable standards.

CODENO.	PARTICULARS	PACKING
147-A	Student Set	1 Pcs.
147-B	Teacher Set	1 Pcs.



CRYSTAL MODEL SET

These Crystal Model Sets contain different coloured jacks (Red, Black & White) & connectors (long & short) in a prescribed number to be joined together in an illustrated way to form structures like Diamond, Graphite & Sodium Chloride.

CODENO.	PARTICULARS	PACKING
148-A	Diamond	1 Pcs.
148-B	Sodium Chloride	1 Pcs.
148-C	Graphite	1 Pcs.

COPLIN JAR (Euro Design)

These Coplin Jar made of polypropylene can hold 10 microscope slides of the size 75mm x 25mm. Slides are held upright due to the grooved interior. The built in seal ring in the cap makes this Coplin Jar a completely leak proof one.

CODENO.	PARTICULARS	PACKING
149	Copline jar (Euro Design)	12 Pcs.





COPLIN JAR

Coplin Jar made of Polypropylene can hold 10 slides of the size 1"x3" back to back. The interior of the Coplin Jar is grooved in a way to hold slides in erect position. Domed & shallow thread screw cap provides protection to the slides.

CODE NO.	PARTICULARS	PACKING
150	Copline jar	12 Pcs.

SLIDE MAILER

Slide Mailers present the best option to carry prepared slides from one place to another. Moulded in Polypropylene, these Slide Mailers are available in four sizes i.e. 1, 2, 5 & 10 slides

CODENO.	PARTICULARS	PACKING
151-A	1 Slide	25 Pcs.
151-B	2 Slide	25 Pcs.
151-C	5 Slide	25 Pcs.
151-D	10 Slide	25 Pcs.



SLIDE MAILER TRANSPARENT

These transparent slide mailers made of polypropylene are the best suited option for secure shipping & storage of slides. Available in different sizes, these slide mailers provide an excellent view of the slides placed inside for easy identification.

CODE NO.	PARTICULARS	PACKING
152-A	1 Slides	25 Pcs.
152-B	2 Slides	25 Pcs.
152-C	3 Slides	25 Pcs.
152-D	5 Slides	25 Pcs.

SLIDE BOX

These Slide Boxes are durable, compact & provide utmost protection to 1"x3" slides. Heavy walls will not warp, splinter or crack. Boxes are unaffected by humidity and are thoroughly insect proof. Base of the slide Box has a numbered index for easy slide Identification

CODENO.	PARTICULARS	PACKING
153-A	25 Slides	12 Pcs.
153-B	50 Slides	12 Pcs.
153-C	100 Slides	6 Pcs.





SLIDE BOX WITH HINGES

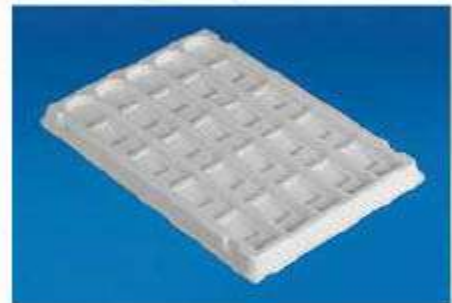
Adding to the already existing range, these slide boxes are equipped with hinges & lock which makes them the perfect option for keeping the slides safe & secure.

CODE NO.	PARTICULARS	PACKING
154-A	25 Slides	12 Pcs.
154-B	50 Slides	12 Pcs.
154-C	100 Slides	6 Pcs.

SLIDE TRAY

Moulded in high impact polystyrene this slide tray is an excellent option for holding upto 20 microscopic slides at an angle for easy handling. Placement of slides has been designed in such a way that slides remain protected even when the trays are stacked.

CODE NO.	PARTICULARS	PACKING
155	20 Slides	6 Pcs.



SLIDE FILE

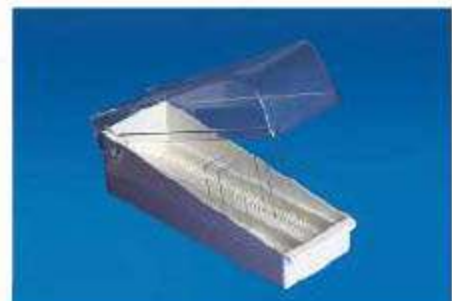
Slide File can hold upto a maximum of 20 microscopic slides. The base moulded in HIPS horizontally holds the slide. The spaces are numbered for easy identification of the slides. The transparent cover moulded in SAN provides easy reading of the ID labels.

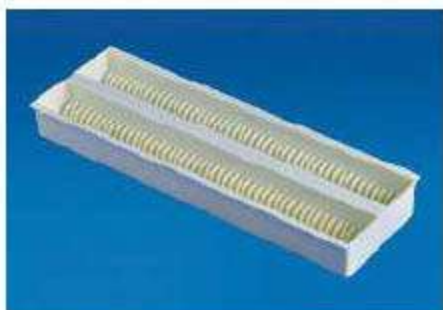
CODE NO.	PARTICULARS	PACKING
156	20 Slides	6 Pcs.

SLIDE STORAGE RACK

Adding to the existing range of slide accessories, this slide storage rack made of ABS can hold 100 slides, recognizable through the numeric indexing. Spacing between the slots provide adequate backward & forward movement of slides for convenient recognition. The transparent cover provide excellent view of the slides stored inside.

CODE NO.	PARTICULARS	PACKING
157	100 Slides	6 Pcs.





SLIDE DRAINING TRAY

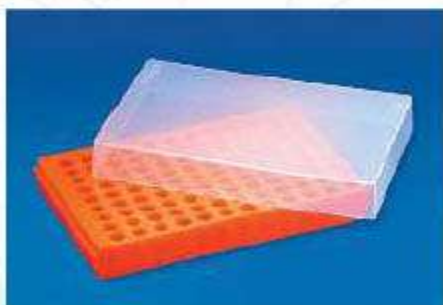
This slide draining tray moulded in ABS can hold 100 slides and has numeric indexing for easy identification of the slides. Spacing between the slots provide adequate backward & forward movement of the slides

CODE NO.	PARTICULARS	PACKING
158	100 Slides	6 Pcs.

FLOAT RACK

This Float Rack moulded in Polypropylene is quite compact, autoclavable and can hold 16 micro centrifuge tubes for incubation in water baths. Easy to load, these are essential in microbiology & immunology labs. The surface of the rack has raised alpha-numeric index for easy identification and has a central rod handle for convenient lifting.

CODENO.	PARTICULARS	PACKING
159	16 MCTs of 1.5 ml.	12 Pcs.



MCT TWIN RACK

provides this Twin Purpose Rack for both 0.5 ml. & 1.5 ml. micro centrifuge tubes. Each side has 108 holes for 0.5 & 1.5 ml. MCT's, respectively. The transparent top provides an excellent view as well as a protection cover for the tubes stored. Each face of the base has a unique alpha-numeric index for easy identification of the tube.

CODE NO.	PARTICULARS	PACKING
160	Rack for 0.5 mL & 1.5 mL MCTS.	4 Pcs.



PCT TUBE RACK

This rack, as the name suggests, is used for keeping PCR Tubes. Top & base of this rack are made of tough & transparent polycarbonate while the middle portion is made of polypropylene. The tube holding spaces are uniformly placed so as to facilitate the use of multipipettes. A no. of racks can be stacked together to save shelfspace.

CODENO.	PARTICULARS	PACKING
161	Rack for 96 ICR Tube of 0.2 mL	4 Pcs.



MCT BOX

MCT Boxes are moulded in polycarbonate and are therefore strong as well as autoclavable. One size can hold 64 MCT of 1.5 ml. & the other can hold 100 MCT's of 0.5 ml.. These boxes are designed to work at temperatures ranging from -1900C to +1210C. The transparent cover provides a good view of the contents inside & is numbered for better inventory control.

CODE NO.	PARTICULARS	PACKING
162-A	Rack for 100 MCT of 0.5 ml.	4 Pcs.
162-B	Rack for 64 MCT of 1.5 ml.	4 Pcs.

CENTRIFUGE TUBE CONICAL BOTTOM

Centrifuge tubes with conical bottom are available in two sizes ie. 15 ml. & 50 ml. Moulded in Polypropylene, these tubes are clear, strong & safe. These autoclavable tubes are provided with printed graduations on the outer surface. The built in seal ring in the cap makes these tubes absolutely leakproof. These tubes can withstand forces upto & for 15 ml.

CODE NO.	PARTICULARS	PACKING
163-A	15ml	100 Pcs.
163-B	50ml	100 Pcs.



CENTRIFUGE TUBE BOX

Centrifuge tube boxes are molded in polypropylene . These boxes provide excellent substitute for conventional cardboard or foam racks. The transparent top gives a clear view of the tubes placed in the box which are easily identifiable because of the indexed grid. These boxes are autoclavable and can withstand temperatures ranging from -900C to +1200C,

CODE NO.	PARTICULARS	PACKING
164-A	15ml	4 Pcs.
164-B	50ml	4 Pcs.

CENTRIFUGE TUBE ROUND BOTTOM

Centrifuge Tubes with round bottom are moulded in Polypropylene & Polycarbonate These tubes have excellent clarity and are strong enough to be used upto 50,000xG. These tubes can be autoclaved, however, repeated autoclaving in PC tubes reduces their mechanical strength.

CODE NO.	PARTICULARS	PACKING
165-A	16 ml. Cent. Tube PP.	50 Pcs.
165-B	50 ml. Cent. Tube PP.	50 Pcs.
165-C	16 ml. Cent. Tube PP.	50 Pcs.
165-D	50 ml. Cent. Tube PP.	25 Pcs.
165-E	Cap for 16 ml. Cent. Tube	100 Pcs.
165-F	Cap for 50 ml. Cent. Tube	100 Pcs.



PLASTICWARE



OAK RIDGE CENTRIFUGE TUBES

Oak Ridge Centrifuge Tubes, made of Polypropylene, have excellent contact clarity and can be used upto 50,000xG. The screw cap is fitted with silicon O Ring making it totally leakproof. These tubes should not be used below 4°C.

CODE NO.	PARTICULARS	PACKING
166-A	30 mL	12 Pcs.
166-B	50 mL	12 Pcs.
166-C	100 mL	12 Pcs.

Actual brim capacity of 63502 is 45 ml.

URINE CONTAINER

These containers can be used for collecting a wide range of samples of sputum, urine etc.. Moulded in polypropylene these container have excellent contact clarity and the cap has built-in seal that makes it completely leakproof.

CODENO.	PARTICULARS	PACKING
167-A	30 mL	100 Pcs.
167-B	60 mL	100 Pcs.



STOOL CONTAINER

These containers, as the name suggests, are used for collecting stool samples. The cap is provided with a spoon like structure that proves helpful in ne samples.

CODE NO.	PARTICULARS	PACKING
168-A	30 mL	100 Pcs.
168-B	60 mL	100 Pcs.

STOOL CONTAINER

In addition to the range of existing sample containers, this Stool Container has the unique feature of one piece moulded cap-spoon combination.

CODE NO.	PARTICULARS	PACKING
169	25 mL	100 Pcs.





TEST TUBE WITH SCREW CAP

These polypropylene tubes provide excellent option for RIA, coagulation & bacteriology etc. The cap is screwed on to the tube & hence this tube can be filled up to the brim.

CODE NO.	PARTICULARS	PACKING
171-A	16x100 mm	500 Pcs.



PLASTIC STOPCOCKERS

Plastic Stoppers made in polypropylene provide excellent option for replacing glass stoppers for bottles & flasks. Top knob has been designed in such a way that handling the stopper is pain free exercise. These stoppers when placed on the bottle or flask neck provide completely leak proof combination.

CODE NO.	PARTICULARS	PACKING
173-A	Plastic Stoppers 10/19	100 Pcs.
173-B	Plastic Stoppers 12/21	100 Pcs.
173-C	Plastic Stoppers 14/23	100 Pcs.
173-D	Plastic Stoppers 19/26	100 Pcs.
173-E	Plastic Stoppers 24/29	100 Pcs.
173-F	Plastic Stoppers 29/32	100 Pcs.

RIA VIAL

These Polypropylene/Polystyrene tubes are generally used in RIA, Coagulation & Bacteriology. The Polypropylene tubes are clear and can withstand 3000 RCF during Centrifugation while the transparent Polystyrene tubes can withstand 1400 RCF. The PP tubes can accept common acids, alkalies & solvents at room temperature while the PS can accept acids but not organic solvents.

CODE NO.	PARTICULARS	PACKING
170-A	12 x 75 mm / PS	500 Pcs.
170-B	12 x 75 mm / PP	500 Pcs.
170-C	Cap for 12 mm RIA Tube	100 Pcs.



TEST TUBE CAP

This transparent polypropylene cap for Test Tubes proves to be an excellent protection to the contents to the tubes. The grooves inside the cap tighten the fitting on the tube while the outer grooves would hold identification labels. The built in seal ring would set in the tube making the combination a leakproof one.

CODE NO.	PARTICULARS	PACKING
172	Cap for Test Tube 25 mm.	100 Pcs.





STORAGE VIAL

As the name suggests, these vials are commonly used for storage of biological material, human & animal cells. The Cap is provided with a built in seal ring making the vial leakproof. The base of the vial has longitudinal grooves which give it a non-twisting character when placed in a vial rack.

CODE NO.	PARTICULARS	PACKING
174-A	2.0 mL	500 Pcs.
174-B	5.0 mL	500 Pcs.

SV10-SV5

These polypropylene vials add to the existing range of storage vials. Available in 5 ml. & 10 ml. capacities, these vials have polypropylene cap with built in seal ring making it a leakproof vial. Just like others storage vials these vials are also used for the storage of biological material, animal & human cells etc.

CODENO.	PARTICULARS	PACKING
175-A	SV-10 mL	500 Pcs.
175-B	SV-5 mL	500 Pcs.



COLLECTION

Moulded in PP these autoclavable collection Vials can be used for storage of different PCT reagents, enzymes & other diagnostics & biochemical reagents & samples. The inbuilt seal ring in the cap makes these vials leak proof.

CODE NO.	PARTICULARS	PACKING
176	5 mL	500 Pcs.

SCINTILLATION VIAL

These unbreakable vials, moulded in Polyethylene, are fitted with leakproof screw caps. These vials can be used with standard counting equipment for liquid scintillation system and are excellent for low activity count.

CODENO.	PARTICULARS	PACKING
177-A	8 mL	100 Pcs.
177-B	20 mL	100 Pcs.





RACK FOR SCINTILLATION VIAL

These Racks for Scintillation Vials, moulded in Polypropylene, are autoclavable & corrosion resistant. There is an individual rack for both 8 ml. & 20 ml. vials. These rugged & stable racks can hold scintillation vials for convenient storage, handling & sample preparations.

CODE NO.	PARTICULARS	PACKING
178-A	Rack for 90 vials of 8 ml. capacity	2 Pcs.
178-B	60 ml.	2 Pcs.

CRYO VIAL

Cryo vials are normally used for storage of Biological material, human & animal cells. These sterilized tubes are provided with white, prominent graduations and a long marking area for sample identification. The cap of these vials is provided with a seal ring inside to make it completely leakproof. The longitudinal grooves in the base give a non-twisting feature to these vials when placed in a cryo rack.

CODE NO.	PARTICULARS	PACKING
179-A	1.8 ml.	1000 Pcs.
179-B	4.5 ml.	500 Pcs.



CRYO CODERS

These Coders available in different colours can easily fit into the cap of cryo vials for colour identification of different samples.

CODE NO.	PARTICULARS	PACKING
180	Cryo Coders	100 Pcs.

CRYO RACK

Cryo Rack is moulded in Polycarbonate making it tough, durable & autoclavable. This handy rack can hold 50 vials at a time. The unique feature of this rack is that vials can be unscrewed without actually picking them up as the vial will lock in every well and hence will not twist. This rack is provided with four anti skid rubbers & each well is identified with an alpha-numeric index.

CODE NO.	PARTICULARS	PACKING
181	50 places for 1.8 & 4.5 ml Cryo Vials	100 Pcs.

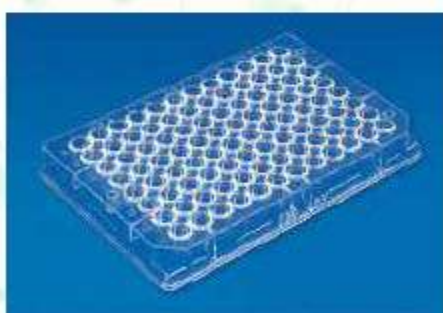




CRYO BOX (PP)

Moulded in Polypropylene, the top of the box is attached to the bottom through well designed built-in hinges. The bottom has built-in spaces to hold vials up to 2ml. capacity. Available in two different sizes, these autoclavable boxes bear alpha numeric index for easy identification of different vials placed inside.

CODE NO.	PARTICULARS	PACKING
183-A	25 places for 1ml or 1.8 ml Cryo Vials	8 Pcs.
183-B	50 places for 1ml or 1.8ml Cryo Vials	8 Pcs.
183-C	81 places for 1ml or 1.8ml Cryo Vials	4 Pcs.
183-D	100 places for 1ml or 1.8ml Cryo Vials	4 Pcs.



MICRO TIP BOX

The unique feature of these tip boxes is the improved robust hinge design which prevents the top from being easily disengaged from the bottom of the box.

CODE NO.	PARTICULARS	PACKING
185-A	For 96 Micro Tips of 2-10µl	6 Pcs.
185-B	For 96 Micro Tips of 2-200µl	6 Pcs.
185-C	For 100 Micro Tips of 200-1000µl	6 Pcs.

CRYO BOX (PC)

Cryo Boxes are moulded in Polycarbonate making it extra strong and autoclavable. These can accommodate Cryo Vials of up to 4.5 ml. capacity and are designed to be used at temperatures ranging from -190°C to + 121°C. The transparent cover of the box gives a good view of the contents inside and is numbered for better inventory control.

CODE NO.	PARTICULARS	PACKING
182-A	25 places for 1ml or 1.8 ml Cryo Vials	8 Pcs.
182-B	50 places for 1ml or 1.8ml Cryo Vials	8 Pcs.
182-C	81 places for 1ml or 1.8ml Cryo Vials	4 Pcs.
182-D	81 places for 4.5 ml Cryo Vials	4 Pcs.
182-E	100 places for 1ml or 4.5 ml Cryo Vials	4 Pcs.



MICRO TEST PLATES

micro test plates are made of optically clear, non-toxic Polystyrene. These plates with 96 U Bottom or flat bottom wells bear alpha-numeric index. Uniform placement of all the wells facilitate use of multi channel pipettes.

CODE NO.	PARTICULARS	PACKING
184-A	Flat Bottom	72 Pcs.
184-B	U Bottom	72 Pcs.





VOLUMETRIC FLASK

Volumetric Flasks, blown in Polypropylene, are strong unbreakable and have good contact clarity. These autoclavable flasks are provided with screw caps to prevent leakage.

CODE NO.	PARTICULARS	PACKING
186-A	25 mL	6 Pcs.
186-B	50 mL	6 Pcs.
186-C	100 mL	6 Pcs.
186-D	250 mL	3 Pcs.
186-E	500 mL	3 Pcs.
186-F	1000 mL	2 Pcs.

RACK FOR PETRI DISHES

These Racks are clear acrylic construction with polycarbonate posts. 69101 has a capacity to hold 60 petri dishes of 90 mm size while 69102 one can hold 56 petri dishes of 60mm. These racks are very useful during inoculation, incubation & Storage. Visibility from all sides enables the culture to be seen & checked during incubation.

CODENO.	PARTICULARS	PACKING
187-A	Rack for 90mm Petri Dishes	2 Pcs.
187-B	Rack for 60mm Petri Dishes	2 Pcs.



UNIVERSAL MULTI RACK

This rack is an excellent lab apparatus compatible with different sizes of tubes. Four sides of this rack can be used for tubes of 230mm, 020mm, 017mm & 012mm.

CODE NO.	PARTICULARS	PACKING
188	Mutli Rack	6 Pcs.

ROTATABLE MULTI RACK

This autoclavable rotatable multi rack moulded in polypropylene is a combination of four modules providing spaces for different sizes of test tubes and centrifuge tubes. These modules can be rotated in different directions to accommodate different types and sizes of tubes at the same time.

CODE NO.	PARTICULARS	PACKING
189	2 x 50ml, 8 x 15 ml, 6 x 20 mm & 10 x 12 mm tubes	1 Pcs.





TEST TUBE STAND

This autoclavable Stand is perhaps the most commonly used Test Tube Stand in various laboratories. For better visibility, this 6 place rack is end supported by 2 columns. The top plate has 2 holes for holding 25 mm dia test tubes, four holes to hold 16 mm dia tubes where as the base has corresponding hemispherical wells. It also has six vertical pins for drying tubes. Another option available in this section is a test tube stand in which all the holes in the top plates can hold 25 mm dia tubes.

CODE NO.	PARTICULARS	PACKING
191-A	16mm & 25mm Ø Tubes	12 Pcs.
191-B	25mm Ø Tubes	12 Pcs.



TEST TUBE STAND (ROUND)

A handy, little, space saver, this circular twelve place Polypropylene Test Tube Stand has four 25 mm dia holes & eight 19 mm dia holes in its top plate. The base has matching hemispherical wells & 16 vertical pins for drying tubes surrounded by a trough to catch drippings. This autoclavable rack can be easily disassembled for cleaning purpose.

CODE NO.	PARTICULARS	PACKING
192	19 mm & 25 ml. Ø tubes	2 Pcs.

RACK FOR MICRO CENTRIFUGE TUBES

Moulded in Polycarbonate, these autoclavable racks are made for holding 1.5 ml. micro centrifuge tubes. These racks have a unique stacking feature which prevents movement in any direction. The holes are numbered & lettered for easy identification.

CODE NO.	PARTICULARS	PACKING
193-A	24 mL.	4 Pcs.
193-B	48 mL.	4 Pcs.



NESTLER CYLINDER STAND

This stand, as the name suggests, is used for keeping nestler cylinders. Made of polypropylene, this stand is available in two sizes, one for 50ml nestler cylinder & other for 100ml. nestler cylinder.

CODE NO.	PARTICULARS	PACKING
190-A	50 mL.	6 Pcs.
190-B	100 mL.	6 Pcs.





TEST TUBE STAND (3 TIER - P.C.)

These ingenious racks with a 3-tier design provide clear view of the tube contents & convenient insertion & removal of tubes. The PC rack has transparent upper & middle plates where as in PP racks, every part is coloured & opaque. These autoclavable Racks can withstand sub-freezing temperature.

CODE NO.	PARTICULARS	PACKING
194-A	13mm x 31 Tubes	2 Pcs.
194-B	16mm x 31 Tubes	2 Pcs.
194-C	20mm x 20 Tubes	2 Pcs.
194-D	25mm x 12 Tubes	2 Pcs.
194-E	25mm x 18 Tubes	2 Pcs.
194-F	32mm x 12 Tubes	2 Pcs.
194-G	25mm x 36 Tubes	2 Pcs.
194-H	13mm x 18 Tubes	4 Pcs.
194-I	15mm x 18 Tubes	4 Pcs.
194-J	18mm x 12 Tubes	4 Pcs.
194-K	13mm x 62 Tubes	2 Pcs.
194-K	16mm x 62 Tubes	2 Pcs.
194-L	20mm x 40 Tubes	2 Pcs.
194-M	13mm x 48 Tubes	2 Pcs.
194-N	13mm x 72 Tubes	2 Pcs.

CODENO.	PARTICULARS	PACKING
195-A	13mm x 31 Tubes	2 Pcs.
195-B	16mm x 31 Tubes	2 Pcs.
195-C	20mm x 20 Tubes	2 Pcs.
195-D	25mm x 12 Tubes	2 Pcs.
195-E	13mm x 62 Tubes	2 Pcs.
195-F	16mm x 62 Tubes	2 Pcs.
195-G	20mm x 40 Tubes	2 Pcs.
195-H	25mm x 24 Tubes	2 Pcs.
195-I	25mm x 18 Tubes	2 Pcs.
195-J	25mm x 36 Tubes	2 Pcs.
195-K	32mm x 12 Tubes	2 Pcs.



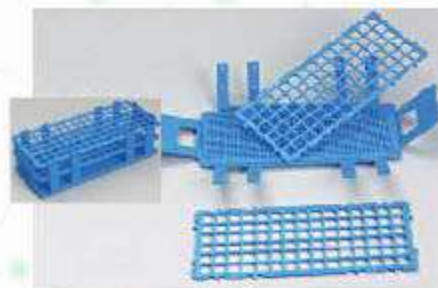
TEST TUBE PEG RACK

These racks can conveniently hold inverted tubes for drying purpose and minimizes collection of airborne contaminants inside the tube. This rack can also be used to hold and dry electrophoresis and chromatography plates

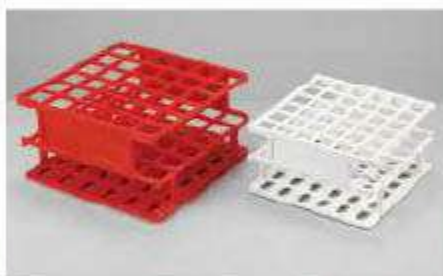
CODENO.	PARTICULARS	PACKING
196-A	96 Places for 13mm Tubes	6 Pcs.
196-B	50 Places for 13mm Tubes	6 Pcs.

TEST TUBE STAND (WIRE PATTERN)

An economical substitute for wire racks, here are these submersible, autoclavable racks which are stackable when empty. These are available in different colours and are made of a special blend of Polypropylene that makes it sink in a water bath and maintain their stability even in agitated water. These space saving racks can easily be disassembled for cleaning purposes. The base is in the form of a grid with square openings and has fold up sides and end bars that lock into rack tops.



CODE NO.	PARTICULARS	PACKING
197-A	13mm x 90 Tubes	6 Pcs.
197-B	16mm x 60 Tubes	6 Pcs.
197-C	20mm x 40 Tubes	6 Pcs.
197-D	25mm x 24 Tubes	6 Pcs.
197-E	30mm x 21 Tubes	6 Pcs.



TEST TUBE STAND (WIRE PATTERN - FIX)

These are one piece molded racks and have a three tier grid design. They have good chemical and thermal resistance.

CODE NO.	PARTICULARS	PACKING
198-A	13mm x 36 Tubes	4 Pcs.
198-B	16mm x 36 Tubes	4 Pcs.

RACK FOR MICRO CENTRIFUGE (Folding)

These two-tier versatile racks, made of polypropylene, are autoclavable & can be used dry, in water baths or in freezers. These racks are provided with alpha numeric index for easy sample identification. Racks are stackable even when loaded and have purpose designed label spaces on each side.

CODE NO.	PARTICULARS	PACKING
199	100 Places for 1.5ml MCTs	6 Pcs.



TEST TUBE BASKETS

Test Tube Baskets are made of Polypropylene. These autoclavable, unbreakable and non-corrosive Baskets are ideal for rinsing & draining glassware. These are also useful for storage of test tubes or culture tubes during sterilization or incubation.

CODE NO.	PARTICULARS	PACKING
200-A	140x120x110 mm	6 Pcs.
200-B	160x160x160 mm	6 Pcs.

TEST TUBE BASKETS (With Cover)

These baskets add to the existing range of test tube baskets. The additional feature of these baskets is the lid that has been provided to keep the apparatus placed in it more secure. Molded in PP these baskets are autoclavable, unbreakable & non corrosive.

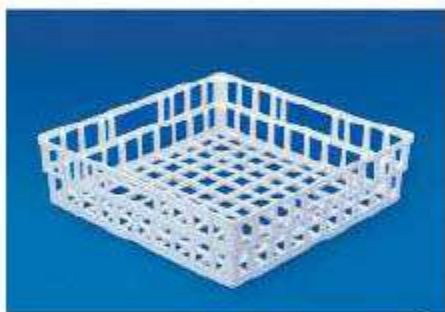
CODE NO.	PARTICULARS	PACKING
201-A	110x120x150 mm	6 Pcs.
201-B	180x170x160 mm	6 Pcs.
201-C	230x230x230 mm	4 Pcs.



DRAINING BASKET

As the name suggests, this basket with wide net like structure on all sides prove really useful for draining different laboratory apparatus after washing them. Made of polypropylene, this basket can be repeatedly autoclaved.

CODE NO.	PARTICULARS	PACKING
202	400x400x100 mm	6 Pcs.



PIPETTE STAND (HORIZONTAL)

This detachable Stand can hold 12 pipettes, 6 on each side, in a horizontal position. Moulded in Polypropylene, this autoclavable stand has two sides which are attached to each other with three metallic rods coated with Polypropylene. This stand can be easily disassembled for space saving storage.

CODE NO.	PARTICULARS	PACKING
203	For 12 Pipettes	6 Pcs.



PIPETTE STAND (VERTICAL)

This is a stable, non-corrosive, detachable Stand which can hold 28 pipettes with maximum dia 14 mm. The heavy base measures 225 mm in diameter and a Polypropylene coated square rod measuring 375 mm in length is screwed into the base. The top disc that can be fixed on the rod has holes for holding pipettes while the lower one has pilot holes where the pipette tips rest and liquids drain down to the base. These discs can be adjusted on the rod according to the length of the pipette. The arrows provided on the discs should be kept parallel to ensure that corresponding holes are being centered.

CODE NO.	PARTICULARS	PACKING
204	For 28 Pipettes	1 Pcs.



PLASTICWARE



PIPETTE STAND (94 PIPETTES-ROTARY)

Moulded in Polypropylene, this unique Stand holds a maximum of 94 pipettes and rotates on a central vertical axis for convenient selection of any particular pipette. The lower rotating disc has four concentric troughs with tapered sides and open bottoms which cradle the pipette tips protectively and permit water drops to run off. The upper disc has a grid pattern concentric with the bottom disc and keeps the pipettes vertical. Liquids draining off the pipettes are retained on the top of the stationary base by the outer ring. This stand can be easily disassembled & reassembled.



CODE NO.	PARTICULARS	PACKING
205	For 94 Pipettes	1 Pcs.



PIPETTE BOX

Made of polypropylene, this Pipette Box is designed in such a way that it can hold Pipettes of different lengths. The top of the box screws on the bottom and the height can be adjusted by screwing or unscrewing the top.

CODE NO.	PARTICULARS	PACKING
206	Pipettes Box	4 Pcs.

REAGENT RESERVOIR

Moulded in Polypropylene, this autoclavable Reagent Reservoir is helpful for multi-channel pipettes to be used into microtiter plates.

CODE NO.	PARTICULARS	PACKING
207	75 mL	12 Pcs.



UNIVERSAL REAGENT RESERVOIR

This Universal Reagent Reservoir is a graduated single reagent reservoir with maximum volume of 50ml, reservoir with 8 separate numbered 5ml. reagent channels & a reservoir with 12 separate numbered 5ml. reagent channels. Made of polypropylene these reagent reservoirs are repeatedly autoclavable and can be used with all multi-channel pipettes.

CODE NO.	PARTICULARS	PACKING
208	50 mL	6 Pcs.

STAINING BOX

Moulded in Polypropylene, this Staining Box helps in staining, fixing, de-staining and handling fragile electrophoresis gels and membranes. Box as well as cover will resist temperatures from -70°C to +70°C. The LDPE plug provides leakproof seal and allows easy liquid drainage.

CODENO.	PARTICULARS	PACKING
209	125 x 125 x 50mm	2 Pcs.



MEASURING CYLINDERS

Measuring Cylinders, moulded in Polypropylene are single piece cylinders. These autoclavable cylinders have raised prominent graduations for easy reading and have excellent contact clarity. The broad base provides good stability.



CODE NO.	PARTICULARS	LEAST COUNT	PACKING
210-A	10 mL	0.2 mL	24 Pcs.
210-B	25 mL	0.5 mL	12 Pcs.
210-C	50 mL	1 mL	12 Pcs.
210-D	100 mL	1 mL	12 Pcs.
210-E	250 mL	2 mL	6 Pcs.
210-F	500 mL	5 mL	4 Pcs.
210-G	1000 mL	10 mL	3 Pcs.
210-H	2000 mL	20 mL	2 Pcs.

MEASURING CYLINDER HEXAGONAL

measuring cylinders are now available with hexagonal base also. The hexagonal base provides excellent stability to the cylinder where as the tapered spout works really well while pouring any reagent.

CODENO.	PARTICULARS	LEAST COUNT	PACKING
211-A	10 mL	0.2 mL	24 Pcs.
211-B	25 mL	0.5 mL	12 Pcs.
211-C	50 mL	1 mL	12 Pcs.
211-D	100 mL	1 mL	12 Pcs.
211-E	250 mL	2 mL	6 Pcs.
211-F	500 mL	5 mL	4 Pcs.
211-G	1000 mL	10 mL	3 Pcs.



PLASTICWARE



MEASURING JUGS

These handy Jugs, moulded in Polypropylene, are clear, autoclavable and have good chemical resistance. These jugs are provided with a handle for easy & convenient lifting and have raised graduations for easy reading.

MEASURING JUGS (EURO DESIGN)

Adding to the existing range Of Jugs, these short form transparent jugs, made of polypropylene are autoclavable and have non-drip spout. These jugs have raised graduations, provide excellent contact clarity & are provided with excellent thumb grip on handle.

CODENO.	PARTICULARS	PACKING
213-A	500 mL	12 Pcs.
213-B	1000 mL	6 Pcs.
213-C	2000 mL	6 Pcs.
213-D	3000 mL	6 Pcs.
213-E	5000 mL	4 Pcs.



MEASURING JUGS (Printed Graduation)

Like other Measuring Jugs, these jugs also ,moulded in polypropylene have excellent clarity as well as very good chemical resistance. The prominent feature of these jugs is the easy to read printed graduations. The rectangular handle provides significant

CODE NO.	PARTICULARS	PACKING
214-A	100 mL	12 Pcs.
214-B	250 mL	12 Pcs.
214-C	500 mL	12 Pcs.
214-D	1000 mL	6 Pcs.
214-E	2000 mL	6 Pcs.
214-F	5000 mL	4 Pcs.

CONICAL MEASURES

These Conical Measures are very good for measuring small quantities of reagents. Moulded in Polypropylene, these autoclavable Measures have a hexagonal base which provides it excellent stability. The Measures are clear, have good chemical resistance and have raised graduations for easy reading

CODE NO.	PARTICULARS	LEAST COUNT	PACKING
215-A	12 mL	1 mL	12 Pcs.
215-B	25 mL	1 mL	12 Pcs.
215-C	50 mL	2 mL	12 Pcs.
215-D	125 mL	5 mL	12 Pcs.
215-E	200 mL	5 mL	12 Pcs.



PW31



SEPERATORY FUNNEL

Seperatory Funnel is made of Polypropylene, giving it excellent contact clarity and strength. This pear shaped, autoclavable seperating funnel has a leakproof threaded screw cap. The Polypropylene stopcock, fitted with a self lubricating PTFE plug, is push fitted to the stem of the seperatory funnel

SCOOP

scoops are excellent replacement for metallic ones. Moulded in polypropylene, these scoops are autoclavable and completely eliminate the danger of rusting or corrosion.

CODENO.	PARTICULARS	PACKING
217-A	2 mL	12 Pcs.
217-B	5 mL	12 Pcs.
217-C	10 mL	12 Pcs.
217-D	25 mL	12 Pcs.
217-E	50 mL	12 Pcs.
217-F	100 mL	12 Pcs.
217-G	250 mL	12 Pcs.
217-H	500 mL	6 Pcs.
217-I	1000 mL	6 Pcs.
217-J	Scoop - Set/9	1 Pcs.



SPATULA

Moulded in Polypropylene, Spatula consists of a spoon on one side while the other end is a flat construction with a knife edge. This edge is helpful in breaking up crystals of different salts while the spoon is used to draw salts from the containers.

CODENO.	PARTICULARS	PACKING
218-A	150 mL	12 Pcs.
218-B	200 mL	12 Pcs.

STIRRER

Made of polypropylene, these Stirrers are very useful for stirring different solutions in the laboratory. These Stirrers prove to be tough and long lasting.

CODENO.	PARTICULARS	PACKING
219-A	Ø-10 mm. x h-250 mm.	12 Pcs.
219-B	Ø-6 mm. x h-150 mm.	12 Pcs.
219-C	Ø-7 mm. x h-200 mm.	12 Pcs.
219-D	Ø-7 mm. x h-250 mm.	12 Pcs.
219-D	Ø-7 mm. x h-300 mm.	12 Pcs.



PLASTICWARE



POLICEMAN STIRRING RODS

This, in fact, is a multipurpose apparatus which works as a stirrer as well spatula. The fattened ends of this rod form two small spatulas.

CODE NO.	PARTICULARS	PACKING
220	Ø-6 mm. x h-245 mm.	12 Pcs.

SOFT LOOP STERILE

This non-toxic disposable loop is accurate to semi quantitative stand for handling samples.



CODENO.	PARTICULARS	PACKING
221-A	Soft loopcs - 1µl	100 Pcs.
221-B	Soft loopcs - 10µl	100 Pcs.
221-C	Inoculation Needle	100 Pcs.



L SHAPED SPREADER

This sterile, smooth spreader enables even spreading of liquid samples across the surface of a jar plate without grouping & cutting the medium.

CODENO.	PARTICULARS	PACKING
222	L Shaped spreader	100 Pcs.

MICRO PESTLE

This double ended pestle's one end fits 1.5ml. Micro centrifuge tube & the other one fits 0.5ml. Micro centrifuge tube.

CODENO.	PARTICULARS	PACKING
223-A	for 0.5 and 1.5 ml. MCT	12 Pcs.
223-B	for 1.5 ml. MCT	12 Pcs.



PLASTICWARE



PNEUMATIC TROUGH

These Troughs, made of polypropylene, are autoclavable and are available in different sizes. These can be used for a wide range of purposes including storage, sterilizing & drying labware etc.

CODE NO.	PARTICULARS	PACKING
224-A	ø-180 x h-60 mm	6 Pcs.
224-B	ø-200 x h-100 mm	6 Pcs.
224-C	ø-250 x h-100 mm	6 Pcs.

PLANTATION POTS

Plantation Pots, moulded in polypropylene, are available in four different sizes. These pots have a downward extended rim which provide convenient lifting even if the pot is filled. The bottom of the pot is provided with holes for drain purpose.

CODE NO.	PARTICULARS	PACKING
225-A	100 mm.	20 Pcs.
225-B	150 mm.	20 Pcs.
225-C	200 mm.	20 Pcs.
225-D	250 mm.	20 Pcs.



LABORATORY TRAY

Needle to say, Laboratory Tray moulded in polypropylene is a multipurpose tray that can be used for sterilizing, drying glassware, porcelainware & other laboratory instruments. These steam autoclavable trays have tapered walls which prove good for nesting.

CODE NO.	PARTICULARS	PACKING
226-A	450 x 350 x 75 mm.	10 Pcs.
226-B	375 x 300 x 75 mm.	10 Pcs.

UTILITY TRAY

Adding to the already existing range of autoclavable laboratories trays, is the Utility Tray and as the name suggests this Polypropylene Tray can be utilized for purposes ranging from drying glassware to sterilizing and to store any laboratory apparatus.

CODE NO.	PARTICULARS	PACKING
227-A	375 x 350 x 130 mm.	6 Pcs.
227-B	540 x 435 x 130 mm.	6 Pcs.



PLASTICWARE



CARRIER TRAY

This autoclavable Polypropylene Tray has a unique feature i.e. its handle which proves really helpful in carrying reagents or laboratory apparatus from one place to another, single handedly.

CODE NO.	PARTICULARS	PACKING
228	380 x 240 x115 mm.	6 Pcs.

INSTRUMENT TRAY

This autoclavable tray have which fits into groove of trays to minimize spillage of material. Smaller size can be used to sterilize small instruments whereas the larger size allows pipettes to be fully immersed in disinfectant prior to sterilizing.



CODE NO.	PARTICULARS	PACKING
229-A	220 x 150 x 70 mm.	2 Pcs.
229-B	450 x 150 x 70 mm.	2 Pcs.



DRAINING RACK

Draining Rack provides an excellent option for post wash draining of tubes & bottles in the laboratory. The back plate has 20 holes into which pegs are tightened with the help of screw-nuts. Bottom of the rack is provided with a tray which collects all the waste water drained down which can further be collected in a container via drain tube. This rack does not rot, stain or rust.

CODE NO.	PARTICULARS	PACKING
230	Draining Rack	1 Pcs.

MAGENTA BOX

Magenta Box is very often used in tissue culture & agricultural research experiments. Main body of this box is made of tough & transparent Polycarbonate which provides excellent view of the contents inside while the cover is made of Polypropylene. This autoclavable box is square in shape giving itself a space saving feature.



CODE NO.	PARTICULARS	PACKING
231	Magenta Box	12 Pcs.



STORAGE BOXES

These Storage Boxes, made of polypropylene, prove to be an excellent option for storage of different powdered reagents & other material in the laboratory. Square shape of these boxes help in saving shelf space. Available in three different sizes, these boxes have polypropylene caps, are autoclavable, provide good chemical resistance & heavy duty service

CODE NO.	PARTICULARS	PACKING
232-A	250 mL	12 Pcs.
232-B	500 mL	12 Pcs.
232-C	1000 mL	12 Pcs.

SIMPLE CELL POT

Simple Cell Pot, as the name suggests, is used for making Simple Cells & Voltmeters etc. Moulded in Polypropylene, this Pot has very good contact clarity and excellent chemical resistance. Being in Polypropylene, this Pot is much durable than the one used conventionally.

CODENO.	PARTICULARS	PACKING
233	Simple Cell Pot	12 Pcs.



LECLANCHE CELL POT

Blown in Polypropylene, this Pot is used for making Leclanche Cell. This Pot too has very good contact clarity & excellent chemical resistance.

CODE NO.	PARTICULARS	PACKING
234	Leclanche Cell Pot	12 Pcs.



SAMPLE CONTAINER (PRESS& FIT TYPE)

Made of polypropylene, these disposable Containers are used for collecting samples of sputum or urine etc. Graduated on the outer surface, these containers have cap that work in a press & fit manner & make these containers leakproof. These disposable containers are E.T.O. sterilized.

CODENO.	PARTICULARS	PACKING
235-A	50 mL	100 Pcs.
235-B	25 mL	200 Pcs.





MEDICINE CUP

These transparent polypropylene cups can be used to measure different volumes of medicines to be administered. The inbuilt graduations make measuring very easy.

CODENO.	PARTICULARS	PACKING
236	25 mL	200 Pcs.

SPARES

CODE NO.	PARTICULARS	PACKING
Sp10	Stop Cock for Desiccator	50 Pcs.
Sp11	Silicon Ring for Desiccator 150 mm	50 Pcs.
Sp12	Silicon Ring for Desiccator 200 mm	50 Pcs.
Sp13	Silicon Ring for Desiccator 250 mm	25 Pcs.
Sp14	Silicon Ring for Desiccator 300 mm	25 Pcs.
Sp15	Stop Cock for Kipp's Apparatus	25 Pcs.
Sp16	Thisle Funnel Set for Kipp's Appratus	25 Pcs.
Sp17	Stop Cock for Aspirator Bottle and Carboy	25 Pcs.



Laboratory Equipments



- ❖ ovens
- ❖ incubators
- ❖ baths
- ❖ distillation stills
- ❖ furnaces
- ❖ heating mantels
- ❖ shaking machines
- ❖ general equipments
- ❖ kjeldhal units
- ❖ autoclaves
- ❖ seed germinator
- ❖ environmental equipments
- ❖ adapter reduction/ expansion

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HOT AIR UNIVERSAL OVEN (Memmert Type)

NPK-01

Temperature upto 2500C Accuracy ± 1 oc double walled, inner chamber of anodized Aluminium/Stainless Steel Elements on three sides.

	Chamber Size (HxWxD)		No. of Shelves	Capacity(approx.) liters.
	mm	Inches		
A	300 x 300 x 300	(12"x12"x12")	2	28
B	350 x 350 x 350	(14"x14"x14")	2	45
C	400 x 400 x 400	(16"x16"x16")	2	65
D	450 x 450 x 450	(18"x18"x18")	2	95
E	600 x 450 x 450	(24"x18"x18")	2	125
F	600 x 600 x 600	(24"x24"x24")	2	224
G	900 x 600 x 450	(36"x24"x18")	2	252
H	900 x 600 x 600	(36"x24"x24")	2	336
I	900 x 900 x 900	(36"x36"x36")	3	480



Optional:

- (i) Air circulating fan
- (ii) Timer 0-24 hours
- (iii) Imported Thermostat EGO/JUMO German with the accuracy of ± 1 OC.
- (iv) Digital temp. Indicator-cum-Controller
- (v) Microprocessor PID digital temp. Indicator-cum-controller.
- (vi) Digital temp. indicator.

Note: Please ask for other capacities of your requirement.

DRYING OVEN INDUSTRIAL

NPK-02

Double walled and double door. Temperature controlled by thermostat with dial type thermometer. Forced air blower.

	Chamber Size (HxWxD)	
	mm	Inches.
A	900 x 600 x 600	(36x24x24)
B	1200 x 900 x 900	(48x36x36)
C	1500 x 900 x 900	(60"x36x36)
D	1800 x 1200x 900	(72"x48x36)

Optional:

- (i) Timer 0-24 hours
- (ii) Digital temp. Indicator-cum-controller.
- (iii) Digital temp. Indicator

Note: Please ask for other capacities of your requirement.



TRAY DRYER

NPK-03

Double walled and double door. Temperature controlled by thermostat with dial type thermometer. Forced air blower. Available in Outer Inner SS, Outer M.S Inner SS, outer Inner M.S

	Chamber Size (HxWxD) mm	Tray	Tray Capacity Inches.
A	430 x 840 x 650	8tray	16"x32"x1
B	430 x 840 x 910	12tray	16"x32"x1
C	910 x 840 x 910	24tray	16"x32"x1
D	960 x 1270 x 1450	48tray	16"x32"x1
E	960 x 1700 x 1700	96tray	16"x32"x1

Optional :

- (i) Timer 0-24 hours.
- (ii) Digital temp. Indicator-cum-Controller.
- (iii) Tray 16"x32"x1 1/4" size.



BOTTLE DRYER

NPK-04

Bottle Dryer comes in Inner S.S or inner M.S.

	DISCRIPTION
A	For 8 crates of size 18"x15"x6"
B	For 10 crates of size 18"x15"x6"
C	For 12 crates of size 18"x15"x6"

Optional :

- (i) Timer 0-24 hours
- (ii) Digital temp. Indicator-cum-Controller.
- (iii) Microprocessor PID digital temp. Indicator-cum-controller



OVEN VACUUM

NPK-05

Inside chamber made of stainless steel & outside mild steel. Temperature range from 50° to 130° without vacuum pump. Thermostatic control with glass door to work 220/230 Volts AC supply.

	Chambers size in mm		
	Dia x Depth	Capacity. (Approx.)	
A	250 x 300	12 ltrs.	21000.00
B	300 x 300	24 ltrs.	23000.00
C	300 x 500	40 ltrs.	28800.00

Optional :

- (i) Imported Thermostat "EGO"/JUMO" German with accuracy of +0.1 C.
- (ii) Digital temp. Indicator-cum-Controller.
- (iii) Microprocessor PID digital temp. Indicator-cum-controller.
- (iv) Digital temp. indicator



INCUBATORS



INCUBATORS

INCUBATORS BACTERIOLOGICAL

NPK-06

Temp. range from room to 90°C. Double door, with glass window, Inner chamber of anodized aluminium/stainless steel sheet.

	Chamber Size(H×W×D)		No. of Shelves	Capacity (Approx.)
	mm	Inches		
A	300 × 300 × 300	(12"×12"×12")	2	28 ltrs.
B	350 × 350 × 350	(14"×14"×14")	2	45 ltrs.
C	400 × 400 × 400	(16"×16"×16")	2	65 ltrs.
D	450 × 450 × 450	(18"×18"×18")	2	95 ltrs.
E	600 × 450 × 450	(24"×18"×18")	2	125 ltrs.
F	600 × 600 × 600	(24"×24"×24")	2	224 ltrs.
G	900 × 600 × 450	(36"×24"×18")	2	252 ltrs.
H	900 × 600 × 600	(36"×24"×24")	2	336 ltrs.
I	900 × 900 × 900	(36"×36"×36")	2	480 ltrs.



Optional :

- (i) Air Circulating Fan.
- (ii) Timer 0-24 hours.
- (iii) Imported Thermostat "EGO"/JUMO" German with the accuracy of 1°C
- (iv) Digital temp. Indicator-cum-Controller.
- (v) Microprocessor PID digital temp. Indicator-cum-Controller.
- (vi) Digital Temp. Indicator

EGG. INCUBATOR

NPK-07

	Capacity	
A	50 eggs.	21000.00
B	100 eggs.	30000.00
C	200 eggs.	45000.00
D	250 eggs.	60000.00



INCUBATORS



B.O.D. INCUBATOR

NPK-08

Temp. range 50C to 500C with accuracy of 1 Double walled, inside anodized aluminum / stainless steel and outside M.S. powder Øated to work on 220/230 volts A.C. 50Hz.

	Inner Chamber Size in mm	Capacity	Capacity
A	(WxDxH)	in cu.ft	
B	455x410x610	4 cu.ft	112 ltrs.
C	505x415x830	6.5 cu.ft	171 ltrs.
D	565x565x865	10 cu.ft	280 ltrs.
E	650x580x900	12 cu.ft	336 ltrs.
F	700x650x900	15 cu.ft	420 ltrs.

Optional :

- (i) Timer 0-24 hours day night cycle.
- (ii) CO air mixer nozzle is provided. 2
- (iii) Internal illumination with 3 fluorescent tubes.
- (iv) Digital temp. Indicator-cum-Controller.
- (v) Microscope PID digital temp. Indicator-cum-controller.
- (vi) Automatic Voltage stabilizer 3-5 KVA (recommended must.)



ORBITAL SHAKING INCUBATOR CUM B.O.D. INCUBATOR

NPK-09

A	Capacity 16x500 mL. Flax temp. 5°C above ambient to 60°C
B	Same as SS-109 but temp. range 5°C to 60°C with lighting arrangement to hold 16 flacks 250ml or 500ml

Optional :

- (i) Timer 0-24 hours day night cycle.
- (ii) Digital temp. Indicator-cum-contoller
- (iii) Microprocessor PID digital temp. Indicator-cum-controller
- (iv) Automatic Voltage Stabilizer 3-5 KVA (recommended must).

WALK-IN-INCUBATOR

NPK-10

Temp. range 5°C to above ambient temp. to 60°C controlled by digital temperature controller but without humidity arrangement.

	Available sizes WxHxD
	11 x 2.3 x 11 meter

WALK-IN-INCUBATOR

NPK-11

Temp. range 10°C to 60°C with controlled humidity upto 95%±5%

	Available sizes WxHxD
	11 x 2.3 x 11 meter



SEROLOGICAL WATER BATH (Thermostatic Bath)

NPK-12

Temp. upto 80°C accuracy $\pm 1^\circ\text{C}$ to work on 220-240 Volt AC 50 Hz

	Size inside chamber (Stainless Steel)		Capacity (Approx)
A	300x175x175	(suitable for 1 racks)	12 ltrs.
B	300x250x175	(suitable for 2 racks)	12 ltrs.
C	375x300x175	(suitable for 4 racks)	12 ltrs.
D	455x300x175	(suitable for 6 racks)	12 ltrs.
E	605x300x175	(suitable for 8 racks)	12 ltrs.



Optional :

- (i) Imported Thermostat "EGO"/JUMO" German with accuracy of $\pm 0.5^\circ\text{C}$
- (ii) Digital temp. Indicator-cum-Controller.
- (iii) Microprocessor PID digital temp. Indicator-cum-controller.
- (iv) Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blade.
- (v) Digital temp. indicator.

WATER BATH WITH PUMP

NPK-13

For B.R. Reflectometer

WATER BATH RECTANGULAR (Double Wall) (Thermostatic Control)

NPK-14

Temp. upto 99.8°C

	Size inside (Stainless Steel)		Capacity (Approx)
A	300x250x100mm	6 holes of 75 mm dia	8 ltrs.
B	355x405x100mm	12 holes of 75mm dia	15 ltrs.



Optional :

- (i) Imported Thermostat "EGO"/JUMO" German with accuracy of $\pm 0.5^\circ\text{C}$
- (ii) Digital temp. Indicator-cum-Controller.
- (iii) Microprocessor PID digital temp. Indicator-cum-controller.
- (iv) Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blade.
- (v) Digital temp. indicator.

WATER BATH RECTAGULAR (Single Wall)

NPK-15

	Size inside (Stainless Steel)		Capacity (Approx)
A	300x250x100mm	6 holes of 75 mm dia	8 ltrs.
B	355x405x100mm	12 holes of 75mm dia	15 ltrs.



BATHS



WATER BATH PRECISION (Constant Temp. Control)

NPK-16

	Chamber Size	
A	425x250x225	(17"x10"x9")
B	450x375x375	(18"x15"x15")
C	600x450x450	(24"x18"x18")

Optional :

- (i) Digital temp Indicator-cum-Controller instead of contact thermometer.
- (ii) Microprocessor PID digital temp. Indicator-cum-Controller instead of Constant thermometer.



ULTRA SONIC BATH

NPK-17

	Chamber Size	
A	9" x 5" x 2 1/2"	1.6 ltr.
B	12" x 6" x 4"	3.6 ltr.



WATER BATH PARAFFIN

NPK-18

Thermistatically controlled. Double walled with cup and shelves for glass tubes. Temp. upto 95°C with an accuracy of $\pm 0.5^\circ\text{C}$ to $\pm 1^\circ\text{C}$. Stainless steel.

A	4 cups & 6 sleeves.
B	6 cups & 8 sleeves.
C	12 cups & 14 sleeves.



WATER BATH TISSUE FLOTATION

NPK-19

Thermostically controlled. Double walled, inner chamber of back oxidized aluminium sheet.

	Dia		Depth
A	200mm	x	75mm
B	250mm	x	125mm



OIL BATH (High Temp.) with Stirrer

NPK-20

Temp. upto 350°C

	Chamber size	
A	250x250x250 mm	(10"x10"x10")
B	300x300x250 mm	(12"x12"x12")
C	350x350x250 mm	(14"x14"x14")

Optional :

- (i) Mercury contact thermometer and relay with accuracy better than 1°C
- (ii) Imported Thermistat "EGO"/"JUMBO" German with the accuracy of 1°C
- (iii) Digital temp. Indicator-cum-controller.
- (iv) Microprocessor PID digital temp. Indicator-cum-controller.
- (v) Digital temp. indicator.



UNIVERSAL WATER BATH (Dual Purpose)

NPK-21

Thermostatically controlled. Double walled with one pyramidal and other rectangular holes with concentric rings.

	Chamber size		Capacity (Approx.)
A	300x225x175 mm	(12"x9"x7")	14 ltrs.
B	450x300x175 mm	(18"x12"x7")	25 ltrs.

Optional :

- (i) Stirring arrangement with stainless steel rod & blades.
- (ii) Imported thermostat "EGO"/"JUMO" German with the accuracy of 0.5C.
- (iii) Digital temp. indicator.
- (iv) Digital temp. Indicator-cum-controller.
- (v) Microprocessor PID digital temp. Indicator-cum-controller.



CONSTANT TEMPERATURE REFRIGERATION - LIQUID BATH (Cooling Bath)

NPK-22

Double wall, glass window on both opposite side, temp. 5°C to 95°C accuracy $\pm 5^\circ\text{C}$ to work 220-240 volt AC.

Optional :

- (i) Digital temp. Indicator-cum-Controller instead of contact thermometer.
- (ii) Microprocessor PID digital temp. Indicator-cum-Controller Instead of contact thermometer.



REFRIGERATED LIQUID BATH

NPK-23

Temp. -5°C to 90°C

	Chamber size	Capacity (Approx)
	450 x 300 x 300 mm	42 ltrs.

Optional :

- (i) Microprocessor PID digital temp. Indicator-cum-Controller



WATER BATH INCUBATOR SHAKER (Metabolic Shaking Incubator)

NPK-24

Temp. range from ambient to 90°C. This is double walled unit inside made of thick S.S. sheet and outside M.S. powder coated, supplied complete with shaking tray, water bath cover to work on 220 volt 50Hz A.C. supply.



	Shaking tray size (Stainless steel)	Capacity (Approx.)
A	275x275x150 mm	12 ltrs.
B	405x300x150 mm	18 ltrs.

Optional :

- (i) Microprocessor Thermostat "EGO"/"JUMBO" German with the accuracy of $\pm 0.5^{\circ}\text{C}$
- (ii) Digital temp. Indicator
- (iii) Digital temp. Indicator-cum-Controller.
- (iv) Microprocessor PID digital temp. Indicator-cum-controller.
- (v) Shaking tray for 25ml, 50ml, 100ml, 250ml, & 25 mm dia. test tubes or conical flasks.

DISTILLATION STILLS



WATER STILL (Manasty Type)

NPK-25

Wall hanging casted aluminium body.

	Output Capacity(Approx.)
A	Output approx. 2 litres per hour.
B	Output approx. 3 to 4 litres per hour.
C	Output approx. 5 to 6 litres per hour.



WATER STILL (Manasty Type)

NPK-26

Wall hanging stainless steel

	Output Capacity(Approx.)
A	Output approx. 2 to 3 litres per hour.
B	Output approx. 3 to 4 litres per hour.
C	Output approx. 5 to 6 litres per hour.

WATER STILL(Barnstead Type) Table Model

NPK-27

S.S. Double wall body

	Output Capacity(Approx.)
A	Output approx. 4 to 5 litres per hour.
B	Output approx. 8 to 9 litres per hour.
C	Output approx. 15 to 16 litres per hour.
D	Output approx. 25 to 26 litres per hour.



FURNACES



RECTANGULAR MUFFLE FURNACE (Laboratory Model)

NPK-28

Working temp. 900°C maximum temp. 1000°C. Fitted with energy regulator, thermocouple and pyrometer.

	Inner Muffle size in mm & inches	
A	225x100x100	(9"x4"x4")
B	250x125x125	(10"x5"x5")
C	300x125x125	(12"x5"x5")
D	300x150x150	(12"x6"x6")
E	300x200x200	(12"x8"x8")
F	350x175x125	(14"x7"x5")
G	475x175x125	(19"x7"x5")
H	450x225x225	(18"x9"x9")



Optional:

- (i) Digital temp. Indicator-cum-controller instead of energy regulator and pyrometer.
- (ii) Microprocessor PID digital temp. Indicator-cum-controller instead of energy regulator and pyrometer.

RECTANGULAR MUFFLE FURNACE(Industrial)

NPK-29

Temp. 1200°C fitted with digital controller.

	Inner Muffle size in mm & inches	
A	225x100x100	(9"x4"x4")
B	250x125x125	(10"x5"x5")
C	300x150x150	(12"x6"x6")
D	300x200x200	(12"x8"x8")
E	450x225x225	(18"x9"x9")



Optional:

- (i) Microprocessor PID digital temp. Indicator-cum-controller instead of energy regulator and pyrometer.

MAGNETIC STIRRER

NPK-30

With Heating system

	Capacity
A	1 liter.
B	2 liters.
C	5 liters.



LABORATORY STIRRER

NPK-31

Optional:

- (i) Automatic 0-60 minutes Timer.

TISSUE HOMOGENISER

NPK-32

1/20 H.P. motor speed controlled. Complete with tissue homogenizing cup and rod is made of stainless steel.

A	Homogenizing Vessel 25ml
B	Homogenizing Vessel 50ml
C	Homogenizing Vessel 100ml



HEATING MANTELS



HEATING MANTELS

NPK-33

Made of Glass yarn, with energy regulator & on off switch to work 220 volt AC.

	Capacity	Wattage
A	50 ml	60
B	100 ml	60
C	250 ml	150
D	500 ml	200
E	1 ltr.	300
F	2 ltrs.	450
G	3 ltrs.	450
H	5 ltrs.	600
I	10 ltrs.	2x500
J	20 ltrs.	4x500



HOT PLATES

HOT PLATES

NPK-34

A	A) ROUND, SINGLE, 20 cm (8") dia. moulded top.
B	B) ROUND, DOUBLE, Two plates of 20 cm (8") dia.
C	C) COILTYPE, 20cm (8") dia.

Note: (i) Sunvic Energy regulator extra cost.



HOT PLATES (Rectangular)

NPK-35

	Following standard sizes are available	
A	30x25 cm	(12"x10")
B	40x25 cm	(16"x10")
C	45x30 cm	(18"x12")
D	60x45 cm	(24"x18")

Note: (i) Sunvic Energy regulator extra cost.



SLIDE WARMING TABLE

NPK-36

Thermostatically controlled uniform temp. from room to 80°C top made of anodized aluminum / stainless steel.

	Top plate size (Lengthx Width)	
A	30x25 cm	(12"x10")
B	40x25 cm	(16"x10")
C	45x30 cm	(18"x12")
D	60x15 cm	(24"x6")



SHAKING MACHINES



ROTARY SHAKER(VDRL Rotator) Variable Speed

NPK-37

Carrier Size 13"x13" fitted with geared motor with concentric motion along with time switch range 0-15 minutes. Operated on 220/230 volts.



ROTARY SHAKER(VDRL Rotator)

NPK-38

SHAKING MACHINE (Wrist Action)

NPK-39

Efficiently shaking of flask from 100 to 10m ml. Conical or round 80 to 280 oscillations minute. Suitable for dissolving, dispersing, extract and emulsifying. Electrically operated with variable speed control.

	Capacity of Holding
A	4 flasks
B	8 flasks
C	12 flasks



Optional:

(I) Automatic 0-60 minutes Timer.

VORTEX SHAKER/CYCLO MIXER (Test Tube Shaker)

NPK-40



RECIPROCATING SHAKING MACHINE (Kahn Rack Type)

NPK-41

	Size of Carrier	Strokes/min.	Motor	Body Type
A	20"x13"x4"	275	0.25 HP	Fixed Speed
B	20"x13"x4"	150 to 250	0.25 HP	Covered
C	31"x17"x4"	150 to 250	0.25 HP	Covered
D	36"x18"x4"	150 to 250	0.50 HP	Covered

Optional:

(I) Automatic 0-60 minutes Timer.

Note: Shaking Machines of other specification can be offered on demand.



SHAKING MACHINES



ROTARY SHAKER(Platform Type)

NPK-42

This is compact bench top model with Platform fitted with rubber discs for continues shaking of solution in flasks of various sizes, mounted on a heavy angle iron frame speed is controlled by electronic speed controller.

	Platform Size	Strokes/min.	Motor
A	45x45 cm	25 flasks of 100 ml	0.25 HP
B	45x45 cm	15 flasks of 250 ml	0.25 HP
C	55x55 cm	25 flasks of 250 ml	0.25 HP
D	65x65 cm	36 flasks of 250 ml	0.25 HP
E	90x90 cm	49 flasks of 250 ml	1.00
F	100x100 cm	81 flasks of 250 ml	1.00
G	100x100 cm	81 flasks of 250 ml	1.00



Optional:

(I) Automatic 0-60 minutes Timer.

Note: Specific Sizes& capacity can be offered on demand.

ROTARY VACCUM BUCHI EVAPORATOR

NPK-43

Buchi type advance model provided with thermostatically controlled with bath, capacity 1 liter.

ROTARY VACCUM BUCHI EVAPORATOR

NPK-44

☐ with digital controller cum display



SIEVE SHAKER GRATORY

NPK-45

Optional:

(I) 0-60 minutes timer.



GENERAL EQUIPMENTS

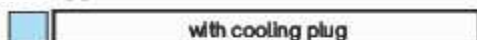


MELTING POINT APPARATUS

NPK-46

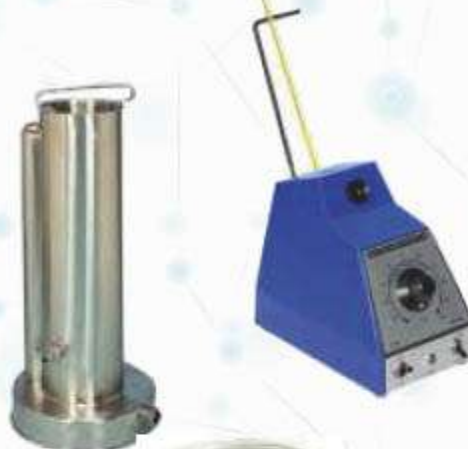
MELTING POINT APPARATUS

NPK-47



PIPETTEE WASHER (AUTOMACTIC)

NPK-48



MEDICO / CLINICAL CENTRIFUGE

NPK-49

	Capacity
A	4 x 15 ml tubes
B	6 x 15 ml tubes
C	8 x 15 ml tubes



CENTRIFUGE RECTANGULAR (Research)

NPK-50

	Capacity
A	4 x 15 ml tubes
B	6 x 15 ml tubes
C	8 x 15 ml tubes
D	12 x 15 ml tubes

Optional:

- (i) Automatic Timer (Manual).
- (ii) Automatic timer (Digital)
- (iii) Speed Meter (Manual)
- (iv) Speed meter (Digital)



GENERAL EQUIPMENTS



SOXHLET EXTRACTIONS UNITS (Mantel Type)

NPK-51

A	The unit of 3 mantels rating 600 watts.
B	The unit of 6 mantels rating 1200 watts



SOXHLET EXTRACTIONS UNITS (Heater Type)

NPK-52

A	A unit of 3 heaters
B	A unit of 6 heaters



SOXHLET EXTRACTIONS UNITS (Hot Plate Type)

NPK-53

A	A unit of 3 hot plates
B	A unit of 6 hot plates



SOXHLET EXTRACTIONS UNITS (Bath Type)

NPK-54

(I) Single wall chamber made of stainless steel.

A	A unit of 3 baths
B	A unit of 6 baths

(II) Double wall inner chamber made of stainless steel.

A	A unit of 3 baths
B	A unit of 6 baths



Optional:

(i) Sunvic energy regulator can be provided with all above units.

Note: All above units are without glass parts.

KJELDHAL UNITS



KJELDHAL UNITS (Without glass parts)

(I) KJELDHAL DIGESTION UNITS

NPK-55(A)

A	Unit of 3 tests (Heater type)
B	Unit of 6 tests (Heater type)
C	Unit of 3 tests (Mantel type)
D	Unit of 6 tests (Mantel type)



Optional:

- (i) Fume duct made of lead or Borosilicate glass.
- (ii) Sunvic energy regulator.

KJELDHAL DISTILLATION UNITS

NPK-55 (B)

A	Unit of 3 tests (Heater type)
B	Unit of 6 tests (Heater type)
C	Unit of 3 tests (Mantel type)
D	Unit of 6 tests (Mantel type)



Optional:

- (i) Fume duct made of lead or Borosilicate glass.

KJELDHAL DIGESTION & DISTILLATION UNITS(Combined)

NPK-55 (C)

A	Unit of 3 tests (Heater type)
B	Unit of 6 tests (Heater type)
C	Unit of 3 tests (Mantel type)
D	Unit of 6 tests (Mantel type)



Optional:

- (i) Fume duct made of lead or Borosilicate glass.
- (ii) Sunvic energy regulator

Note : All above units are without glass parts.

COD DIGESTION WITH DIGITAL TEMP CONTROLLER+ DIGITAL TIMER NPK-55 (D)

TUBE HEATING BLOCK (KJELDHAL DRY BATH)

NPK-56

Optional:

- (i) Digital temp. Indicator-cum-controller

Note: The above chamber with 40 holes to accept 13 and 19 mm tubes can also be made, available on demand.

AUTOCLAVES

AUTOCLAVES LABORATORY (Portable)

NPK-57

	Size dia × height in mm
A	300 × 300 mm (Seamless)
B	300 × 375 mm (Jointed)
C	300 × 500 mm (Jointed)



AUTOCLAVE (Vertical) Double Wall

NPK-58

All deluxe models are fitted with S.S./Gun Metal Lid. and having inner & outer chamber made of S.S., are also fitted with vacuum breaker as a safety device. All autoclaves are fitted-with-standard accessories-such-as pressure-gauge;-steam-release-cock-and safety-value to work on 220 volt A.C. supply.

	Chamber size in (Dia × Depth)	load	Capacity (Approx.)
A	250 × 450 mm	2 KW	22 ltrs.
B	300 × 500 mm	3 KW	40 ltrs.
C	350 × 550 mm	4 KW	50 ltrs.
D	400 × 600 mm	5 KW	78 ltrs.
E	450 × 600 mm	5 KW	98 ltrs.
F	550 × 750 mm	6 KW	152 ltrs.

Optional:

- (i) Automatic low-water level cut off-device.
- (ii) Pressure Control Switch.
- (iii) Water level arrangement.
- (iv) Dressing bins for various size.
- (v) Radial lock.
- (vi) Digital temp. indicator



AUTOCLAVE VERTICAL HIGH PRESSURE (Triple Walled)

NPK-59

	Chamber size in (Dia × Depth)	load	Capacity (Approx.)
A	250 × 450 mm	2 KW	22 ltrs.
B	300 × 500 mm	3 KW	40 ltrs.
C	350 × 550 mm	4 KW	50 ltrs.
D	400 × 600 mm	5 KW	78 ltrs.
E	450 × 600 mm	5 KW	98 ltrs.
F	550 × 750 mm	6 KW	152 ltrs.

Optional:

- (i) Automatic low-water level cut off-device.
- (ii) Pressure Control Switch.
- (iii) Dressing bins for various size.



AUTOCLAVE HORIZONTAL HIGH PRESSURE

NPK-60

Cylindrical-(triple walled)-inner/outer chamber made-of thick S.S. fitted with automatic pressure control switch and automatic low level cut off device. -Lid-made-of-S.-S.-%th-radial-lock-to-work-on-440volts-3-phase-supply.

	Chamber size in (Dia × Depth)	Load	Capacity (Approx.)
A	400 × 600 mm	6 KW	78 ltrs.
B	400 × 1100 mm	9 KW	162 ltrs.
C	500 × 900 mm	9 KW	165 ltrs.
D	500 × 1200 mm	9 KW	221 ltrs.



SEED GERMINATOR

SEED GERMINATOR/ENVIRONMENTAL EQUIPMENTS



SEED GERMINATOR (Single Chamber)

NPK-61

	Chamber of highly polished S.S.	Capacity
	555 (W) × 910 (H) × 605 (D) mm	308 ltrs.

Optional:

- (i) Automatic 0-24 hour's timer to regulate cyclic illumination conditions.
- (ii) Automatic voltage Stabilizer 3KVA (recommended).



SEED GERMINATOR (Dual Chamber)

NPK-62

	Each Chamber Size ; 555 (W) × 910 (H) × 605 (D) mm
	Heating and cooling in both chamber and chamber made of stainless steel sheet.

Optional:

- (i) Automatic 0-24 hour's timer to regulate cyclic illumination conditions.
- (ii) Automatic voltage Stabilizer 5KVA (recommended)



HUMIDITY CABINET

NPK-63

Temp 5°C above ambient to 60°C humidity 30-90%.

	Size inside chamber (WxDxH)	Capacity (Approx.)
A	455x455x455 mm	95 ltrs.
B	455x455x710 mm	147 ltrs.
C	605x605x605 mm	225 ltrs.
D	605x605x910 mm	335 ltrs.

Optional:

- (i) Hygrometer (Humidity Indicator).
- (ii) Digital Temp. Controller-cum-Indicator.
- (iii) Imported Thermostat " EGO " / " JUMO " German with the accuracy of +0.5 C.
- (iv) Microprocessor PID digital temp. Indicator-cum-Controller.
- (v) Automatic electronic controller with digital display for Temp. & Humidity combined.
- (vi) Automatic voltage stablizer 3 KVA (Recomendend).



ENVIRONMENTAL CHAMBER HUMIDITY CABINET

NPK-64

Temp 5°C to 50°C humidity 20% to 95%.

	Size inside chamber (WxDxH)	Capacity (Approx.)
A	455x455x455 mm	95 ltrs.
B	455x455x710 mm	147 ltrs.
C	605x605x605 mm	225 ltrs.
D	605x605x910 mm	335 ltrs.

Optional:

- (i) Hygrometer (Humidity Indicator).
- (ii) Digital Temp. Controller-cum-Indicator.
- (iii) Imported Thermostat " EGO " / " JUMO " German with the accuracy of ± 0.5 C.
- (iv) Microprocessor PID digital temp. Indicator-cum-Controller.
- (v) Automatic electronic controller with digital display for Temp. & Humidity combined.
- (vi) Automatic voltage stabilizer 3 KVA (Recommended).



PLANT GROWTH CHAMBER (Small)

NPK-65

Temp 5°C to 50°C humidity 20% to 95% & light arrangement system.

	Size inside chamber (WxDxH)	Capacity in cu.ft.	Capacity
A	570x875x550 mm	10	280 ltrs.
B	775x900x775 mm	20	560 ltrs.
C	835x1200x825 mm	30	840 ltrs.
D	900x1720x800 mm	45.8	1282 ltrs.

Optional:

- (i) Electronics Digital Indicator cum- Humidity controller and temperature controller.
- (ii) Microprocessor PID digital temp. Indicator-cum-Controller.
- (iii) Automatic voltage stabilizer (recommended).



MORTUARY CHAMBER

NPK-66

Fitted with S.S. inner walls and outer MS painted trays travel on roller fitted with ball bearings, trays made of S.S. sheet to carry bodies are provided with handles. Complete with digital temp. controller to work on 220volts A.C. supply.

	Capacity	Temperature	Voltage Stabilizer
A	Single Body	2° to 5°C	3 KVA
B	Two Bodies	2° to 5°C	4 KVA
C	Three Bodies	2° to 5°C	5 KVA
D	Four Bodies	2° to 5°C	8 KVA
E	Six Bodies	2° to 5°C	8 KVA



ENVIRONMENTAL EQUIPMENTS



BLOOD BANK REFRIGERATOR

NPK-67

Available in Following Capacities	
A	85 litres (50 bloods Bags)
B	165 litres (110 bloods Bags)
C	200 litres (200 bloods Bags)
D	280 litres (250 bloods Bags)
E	400 litres (360 bloods Bags)

Optional:

- (i) Chart type temperature recorder.
- (ii) Voltage Stabilizer (Recommended)



DEEPFREEZER

NPK-68

Temp. upto 20°C

Capacity	
A	4 cu.ft. 375x500x605 mm
B	6 cu.ft. 505x410x830 mm
C	10 cu.ft. 570x550x875 mm
D	12 cu.ft. 650x580x900 mm

Optional:

- (i) Supplied with Automatic Voltage stabilizer.

Note: Please ask for other capacities and sizes of your requirement.



BIOLOGICAL SAFETY CABINET (as per class II)

NPK-69

	Working Size	Size of HEPA Filter	No. of HEPA Filter	Illumination
A	2'x2'x2"	2'x2'x6"	1	1x20W
B	3'x2'x2"	3'x2'x6"	1	1x20W
C	4'x2'x2"	4'x2'x6"	2	1x30W
D	6'x2'x2"	3'x2'x6"	2	1x30W

Optional:

- (i) Virus burn out unit

2' x 2' x 2'

3' x 2' x 2'

4' x 2' x 2'

6' x 2' x 2'

- (ii) Exhaust Ducting (per running feet)

- (iii) Gas Burner.



ENVIRONMENTAL EQUIPMENTS



FUME HOOD

NPK-70

M.S. S.S. Wooden

	Working Chamber Size
A	3"x2"x2"
B	4"x2"x2"
C	5"x2"x2"

Optional:

- (i) High CFM exhaust System (for duct exceeding 10 feet in length)
- (ii) SSLining on work Bench
- (iii) PVC Fume Duct (Perft.)



TISSUE CULTURE RACK

NPK-71

	No. of Racks
A	Unit of Four Racks
B	Unit of Five Racks
C	Unit of Six Racks



TISSUE CULTURE HOOD

NPK-72

	Outside Size
	1200x800x800 mm (ht.at back)

Optional:

- (i) Exhaust System
- (ii) Stainless Steel Top (In lieu of Sumica Top).



ADAPTER REDUCTION/ EXPANTION



HORIZONTAL LAMINAR AIR FLOW CABINET

NPK-73

S.S.M.S. Wooden

	Working Chamber Size
A	2'x2'x2"
B	3'x2'x2"
C	4'x2'x2"
D	6'x2'x2"



VERTICAL LAMINAR AIR FLOW CABINET

NPK-74

S.S.M.S. Wooden

	Working Chamber Size
A	2'x2'x2"
B	3'x2'x2"
C	4'x2'x2"
D	6'x2'x2"



DISPENSING & SAMPLING BOOTH

NPK-75





Microscope



- ❖ co-axial microscope
- ❖ co-axial 02 binocular microscope
- ❖ co-axial 03 binocular microscope
- ❖ co-axial 04 binocular microscope
- ❖ medical microscope
- ❖ student microscope
- ❖ zoom stereo binocular microscope
- ❖ stereo binocular microscope
- ❖ dissecting microscope

MICROSCOPE

Accessories
Co-axial 02 Binocular Microscope
Co-axial 03 Binocular Microscope
Co-axial 04 Binocular Microscope
Co-axial Microscope
Dissecting Microscope
Medical Microscope
Stereo Binocular Microscope
Student Microscope
Zoom Stereo Binocular Microscope

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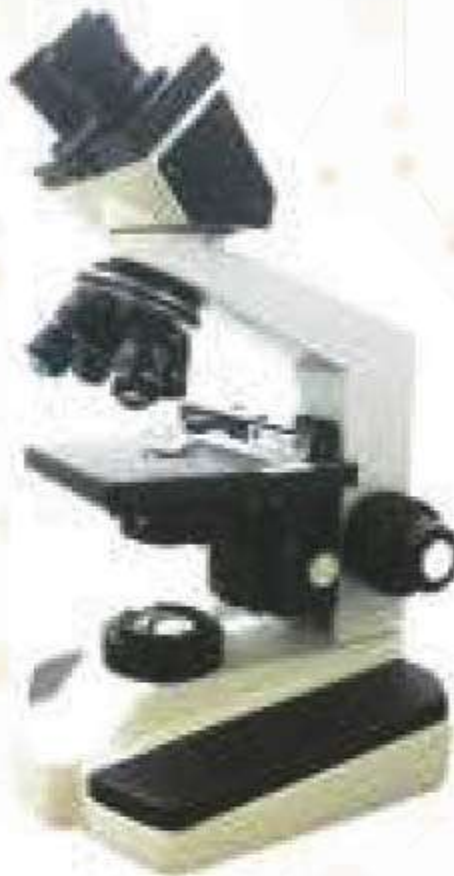
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MS6
MS7



MICROSCOPE



CO-AXIAL MICROSCOPE NPK-OPTICS-01



	Technical specification
Frame	All aluminum pressure die casted body.
Paint	P.u. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360 rotate able and 45 inclined head with allanti fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly.
Mechanical stage	Cxl ball bearing mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 n. A.
Eyepieces & objective	Set of 4x, 10x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6v/ 20w halogen lamp need 220v and 50hz supply.

Also available in battery backup.

MICROSCOPE



CO-AXIAL 02 BINOCULAR MICROSCOPE NPK-OPTICS-02



Technical specification	
Frame	All aluminum pressure die casted body.
Paint	P.u. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360 rotate able and 45 inclined head with all antirfugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly.
Mechanical stage	Cxl ball bearing double plate mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 n.a.
Eyeieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyeieces.
Illumination	6v/ 20w halogen lamp need 220v and 50hz supply.

Also available in battery backup.

MICROSCOPE



CO-AXIAL 03 BINOCULAR MICROSCOPE NPK-OPTICS-03



Technical specification	
Frame	All aluminum pressure die casted body.
Paint	P.u. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360 rotate able and 45 inclined head with all anti fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly. With slide protectin lock.
Mechanical stage	Cxl ball bearing double stage mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 na
Eyepieces & objective	Set of 4x,10x40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6v/ 20w halogen lamp need 220v and 50hz supply.

Also available in battery backup.

MICROSCOPE



CO-AXIAL 04 BINOCULAR MICROSCOPE NPK-OPTICS-04



Technical specification	
Frame	All aluminum pressure die casted body.
Paint	P.u coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360 rotate able and 45 inclined head with allanti-fugus coated prisms.
Focusing system	Separate knobs for cores and fine moon having least count of .002mm
Mechanical stage	Cxl mechanical stage works on dovetail slides.
Condenser	Bright field sub stage condenser having 12 n.a
Eyepieces & objective	Set of 4x, 10x40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6v/ 20w halogen lamp need 220v and 50hz supply.

MICROSCOPE



MEDICAL MICROSCOPE NPK-OPTICS-05



Technical specification	
Stand	Stable & robust, traditional horse shoe base.
Body	Inclined through 90 standard tube length of 160mm.
Focusing	Separate coarse and fine focusing knob with graduation on one side. Coarse movement by rack & pinion and fine movement by screw lever mechanism.
Mechanical stage	For x-y movements works on dovetail slides.
Nosepiece	Triple revolving nosepiece is provided with positive click stop for proper centering.
Stage	Fixed square stage 125x125 mm with stage clips to hold the slide
Illumination	Illumination through 1 50mm diameter Plano concave mirror mounted on gimbals mount.
Objective	Two achromatic objectives of 10x & 40x (sl), 100x (oil,sl)
Eyepieces	Two Huygenian eyepieces of 6x, 10x or 15x
Condenser	Moveable condenser is provided with iris diaphragm having 1.2 n.a.

MICROSCOPE



STUDENT MICROSCOPE NPK-OPTICS-06



Technical specification	
Stand	Stable & robust , traditional horse shoe base.
Body	Inclined through 90 standard tube length of 160mm.
Focusing	Separate coarse ad fine focusing knob with graduation on one side . Coarse movement b rack & inion and fine movement b screw lever mechanism.
Nosepiee	Triple revolving nosepiece is provided with positive click stop for proper centering.
Stage	Fixed square stage 125x125 m with stage clips to hold the slide
Illumination	Illumination through 150mm diameter Plano concave mirror mounted on gimbals mount.
Objective	Two achromatic objectives of IOX & 40x (sl), 100x (oil, sl)
Eyeieces	Two huygenian eyepieces of 6x,10x or 15x
Condenser	Sub stage abbe condenser with na 125 moves up and down by rack & pinion.Iris diaphragms and filter holder are mounted with the condenser.

MICROSCOPE



ZOOM STEREO BINOCULAR MICROSCOPE NPK-OPTICS-07



Technical specification	
Frame	All aluminum pressure die casted body.
Paint	P.u. coating in light cream shade.
Observatin head	45 degrees inclined binocular head can be rotated through 360°
Magnificaاون	Standard magnificaاون from 7x to 45x
Focusing	Rack and pinion focusing system, single stroke up to 50mm.
Eyepieces	High point with field eyepiece hwf 10x in pair & wf 10x
Illumination	Incident and transmted illuminaاون 20w, halogen lamp

MICROSCOPE



STEREO BINOCULAR MICROSCOPE NPK.OPTICS-08



Technical specification	
Stand	Available in different configuration for specific applications, with dual illumination for surface and transmitted illumination, versatile stand can be used for specimen upto 60mm thickness
Focusing	Vertical movement controlled by coarse focusing large sized knobs.
Eyepieces	10X with extra wide field
Objectives	Paired achromatic objectives 1x&3x or 2x&4x
Illumination	Built-in illumination for incident light and sub stage light.

MICROSCOPE



DISSECTING MICROSCOPE NPK-OPTICS-09



Technical specification	
Stand	Stable & robust with round base.
Body	Equipped with joint revolving arm for moving the magnifying lens over the stage.
Focusing	Coarse movement by rack and pinion.
Eye pieces	Two eye -pieces of 10x and 20x.

ACCESSORIES



Stainless Steel Slide Holder



Quadruple Nose Piece Brass



Semi Plan Achromatic Objectives

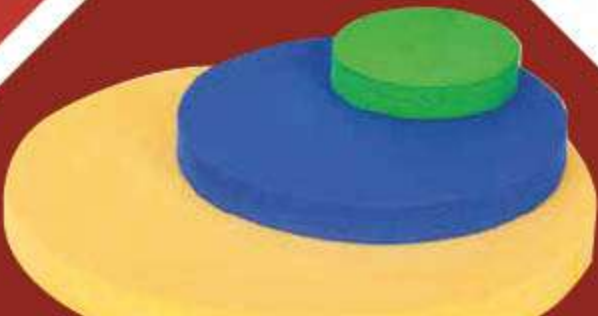
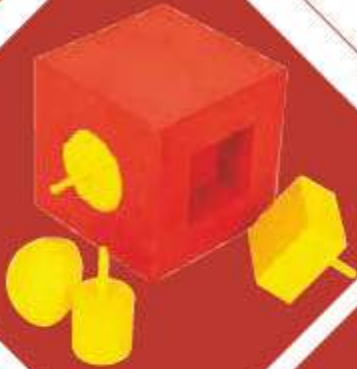


Wide Range of Eye-Pieces



Math

- ❖ counting
- ❖ sorting
- ❖ place value
- ❖ geometry
- ❖ geoboards
- ❖ base ten blocks
- ❖ number sense
- ❖ shapes & patterns
- ❖ cubes
- ❖ fractions
- ❖ circle
- ❖ measurement
- ❖ time
- ❖ data & finance
- ❖ theorems
- ❖ algebra
- ❖ trigonometry
- ❖ board games
- ❖ higher secondary



1-5

2 Colour Counters
2D Shape
2D Shape
3D Colour Solid Set 10cm
3D Colour Solid Set 5cm
3D Paper Nets
5 Colour Counters

A

Addition and Subtraction Board
Algebra Kit
Algebra Tiles
Algebra Tiles Magnetic
Angle Property of Cyclic Quadrilateral
Angle Sum Property of Quadrilateral
Angle Sum Property of Triangle
Area of a Circle
Arithmetic Progression Kit
Ascending Card Game
Attribute Blocks

B

Base Ten Block
Base Ten Stamp Set
Beads in String

C

Chemical Thermometer
Circle Kit
Circular Geoboard
Classroom Base Ten Set
Clinometer Compass
Colour Dice
Colour Tiles
Conic Section
Conic Section with Standard Equation Kit
Construction of Parabola
Co-ordinate Board
Co-ordinate Geo Board
Counting Abacus (Wooden)
Cuisenaire Strips
Cup Set
Cylinder Cuts in Eight Parts

D

Data Collection Board
Decimal Abacus
Decimal Kit
Derivation of Pi
Descending Card Game
Designer Fractions
Dish Balance with Weight Number and Bear Weights
Division Board
Double Sided Geoboard
Dummy Cheque Book & Pay in Slip
Dummy Clock
Dummy Coins
Dummy Currency Notes

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Exterior Angle of Regular Polygon

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F

Factor Board
Factorization Tiles
Flip n Fraction Geoboard with Circle Cuts
Folding Geo Solid
Folding Meter Stick (Plastic)
Formation of Tetrahedron
Fraction Bar
Fraction Pattern Blocks
Fraction Squares
Fraction Wheel
Frame Abacus (Wooden)

G

Game of Place Value
Geared Teacher Clock
Geo Geometry Sticks
Geo Sticks Type 1
Geo Sticks Type 2
Geo Sticks Type 3
Geo Sticks Type 4
Geometrical Progression Kit
Geometry Kit
Graph Board Game

H

Half Meter Scale (Wooden)
Hollow Cylinder
Hollow Sphere
Hook n Look Numerical Balance
Hundred Pocket Chart

I

Integer Board Game
Integer Counters
Integer Counters
Integer Number Line Bar
Interlocking Cubes
Interlocking Cubes
Interlocking Cubes
Interlocking Cubes
Interlocking Cubes
Interlocking Cubes
Isometric Geoboard

J

Jug & Beaker Set
Jumbo Geometry Box (Transparent & Magnetic)
Junior Pythagoras Theorem

K

Kitchen Balance

L

Linking Cubes
Linking Cubes

M

Magic Ring
Magnetic Alphabet (Capital)
Magnetic Alphabet (Small)
Magnetic Base Ten Blocks
Magnetic Base Ten Blocks
Magnetic Counters
Magnetic Digits
Magnetic Fraction Bar
Magnetic Fraction Disks
Magnetic Fraction Wheel
Magnetic Numbers
Magnetic Tangram

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Magnifying Measure
Marbles
Measuring Tape
Mensuration Cube
Mensuration Kit
Metric Wheel
Multiplication Board
Multipurpose Geo Sticks

N

Non Magnetic Fraction Disks
Number Cards
Number Mat
Number Planet

O

Octant 3D

P

Palm Clock
Pan Balance
Parallelogram Kit
Pascal Triangle Kit
Pattern Block (EVA)
Pattern Block (Plastic)
Pattern Block (Student Set)
Pattern Block (Student Set)
Pattern Making Triangle
Pentominoes
Perpendicular Line Segment is Shortest Path
Phases of Fraction
Place Value Cards
Place Value Chart with Sticks
Place Value Game with Counters
Place Value Mat with Stacking Counters
Plastic Dice
Plastic Moulds
Polyhedron & Their Nets
Power of 2
Probability Kit
Probability Kit
Pythagoras Theorem by Reverse Method
Pythagoras Theorem by Small Square

R

Rain Gauge
Ratio of Area of Similar Triangles
Relation and Function Kit
Ring of Theorem
Ring of Theorem
Roman Numbers Kit

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S

Senior Pythagoras (Magnetic)
Set Theory By Venn Diagram Kit
Sextant
Sit & Set
Skip Counting Board
Sorting Ring
Spring Balance
Stacking Counters
Stencils
Stop Watch
Student Clock Write and Wipe
Student Identity Kit
Student Time Indicator
Symmetry Kit

T

Tangent Geoboard
Tangram
Tangram Plastic
Teachers Geometry Box
Tessellation Kit
Theodolite Model
Time & Work Kit
Transparent 3D Solid Set 10cm.
Transparent 3D Solid Set 5cm.
Transparent Dice
Transparent Figure Set
Transparent Geoboard
Triangle Kit
Trigonometry Board Kit

V

Vector as Linear Combination of Vector
Vernier Calliper
Vertex Wonder
Volume Relation Between Cone & Cylinder
Volume Relation Between Cube & Sphere

W

Wall Thermometer
Working Model of Pythagoras Theorem

X

X-Y Axis Co-ordinate Geoboard

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COUNTING

INTRODUCTION

During early years, children begin building an awareness for the various concepts such as counting, sorting and shapes which continue to expand with the growing age. Early Math skills focuses on classication, one-to-one correspondence, counting, number recognition etc. The use of manipulative makes understanding math related concepts easier for children as well as provide opportunity for active participation which results in learning retention for long term and apply mathematics in real life.

Integer Counters

CN 101



Diameter : 30mm
Set of 100 Pcs. in 2 Colours

These double sides plastic integer counters helps to understand addition, subtraction, multiplication & division of integer numbers

2 Colour Counters

CN 103



Diameter : 30mm
Set (A) of 100 Pcs. in 2 Colours
Set (B) of 500 Pcs. in 2 Colours

These 2-coloured plastic counters are used to learn the concept of sorting, counting, patterns basic addition and subtraction activities in small groups or individual student desk.

Marbles

CN 100



Set of 400 Pcs. in 4 Colours

This product is used to understand the concept of colour recognition, counting, addition, subtraction, odd - even numbers, probability etc. Duly packed in plastic boxes.

Magnetic Counters

CN 102



Diameter: 48mm
Diameter: 30mm Set of 48 Pcs. in 2 Colours

Magnetic EVA foam counters are perfect for demonstration activities. This provides a tactile and visual model of key maths concepts including sorting, counting, patterns and integer numbers on Magnetic Board.

COUNTING



5 Colour Counters CN 104



Diameter : 30mm

Set(A) of 125 Pcs. in 5 Colours

Set(B) of 250 Pcs. in 5 Colours

Set(C) of 500 Pcs. in 5 Colours

These 5-coloured plastic counters are used to learn the concept of sorting, colour recognition, counting, patterns, basic addition and subtraction activities in small groups or individual student desk.

Linking Cubes CN 106



Size : 1.5cm x 1.5cm x 1.5cm

Set(A) of 100 Pcs. in 2 Colours

Set(B) of 500 Pcs. in 5 Colours

Set(C) of 1000 Pcs. in 10 Colours

Linking cubes provide mathematical learning experiences to develop the concept of counting, sorting, place value, number operations, measurement, patterns, algebra and mensuration. Easy to connect also supports motor skill development of toddlers. The Linking Cubes are a versatile tool for all levels of learning and proficiency in the classroom.

Colour Tiles CN 107



Size : 2.5cm x 2.5cm

Set (A) of 250 Tiles in 5 Colours

Set (B) of 500 Tiles in 5 Colours

These multicoloured plastic square tiles are one of the best tools to understand area and perimeter. This is a versatile tool which also helps to understand concepts of colour recognition, sorting, counting, patterns, number operations etc.

Number Mat CN 108



Length : 20feet

1 to 25 Numbers

Get kids to think on their feet! Number mat has numbers from 1 to 25, allow kids to learn math with fun and play different games on it. Kids hop on the mat to learn forward and backward counting, skip counting, just after/before a given number, simple addition and subtraction on number line etc.

COUNTING



Stacking Counters CN 109



Diameter : 2cm
Set (A) of 125 Pcs. in 5 Colours
Set (B) of 250 Pcs. in 5 Colours

These 5-coloured plastic stacking counters are used to learn concepts such as sorting, counting, basic arithmetic operations, number patterns, comparing and ordering numbers.

Skip Counting Board CN 110



Size : 20cm x 30cm

This Board consists of fifty slots provided with 25 marbles to understand counting, skip counting, multiplication and number patterns.

Magnetic Numbers CN 111



Size : 7cm
Set of 60 Numbers, 30 Mathematical Symbols
& 3 Magnetic Plates

Every child loves to play with magnetic number on the Refrigerator. These durable soft EVA numbers are bright in colour with soft magnetic back and are big for easy holding by little hands. It is appropriate to use for number identification, number expressions and equations.

Magnetic Digits CN 112



Size : 7cm
Set of 10 Numbers &
5 Mathematical Symbols

Every child loves to play with magnetic number on the Refrigerator. These durable soft EVA numbers are bright in colour with soft magnetic back and are big for easy holding by little hands. This is one of the best resource for number identification. Children can finger trace on the number to learn its formation.

COUNTING



Stacking Counters CN 109



Diameter : 2cm
Set (A) of 125 Pcs. in 5 Colours
Set (B) of 250 Pcs. in 5 Colours

These 5-coloured plastic stacking counters are used to learn concepts such as sorting, counting, basic arithmetic operations, number patterns, comparing and ordering numbers.

Skip Counting Board CN 110



Size : 20cm x 30cm

This Board consists of fifty slots provided with 25 marbles to understand counting, skip counting, multiplication and number patterns.

Magnetic Numbers CN 111



Size : 7cm
Set of 60 Numbers, 30 Mathematical Symbols
& 3 Magnetic Plates

Every child loves to play with magnetic number on the Refrigerator. These durable soft EVA numbers are bright in colour with soft magnetic back and are big for easy holding by little hands. It is appropriate to use for number identification, number expressions and equations.

Magnetic Digits CN 112



Size : 7cm
Set of 10 Numbers &
5 Mathematical Symbols

Every child loves to play with magnetic number on the Refrigerator. These durable soft EVA numbers are bright in colour with soft magnetic back and are big for easy holding by little hands. This is one of the best resource for number identification. Children can finger trace on the number to learn its formation.

COUNTING



Interlocking Cubes

CN 115

Interlocking cubes provide mathematical learning experiences to develop the concept of counting, sorting, place value, number operations, measurement, patterns, algebra and mensuration. Easy to connect from all sides also supports motor skill development of toddlers. These cubes are a versatile tool for all levels of learning and proficiency in the classroom.



Size : 2cm x 2cm x 2cm
Set of 500 Pcs. in 5 Colours

Magnetic Alphabet (Small)

CN 117



Size : 5cm
Set of 26 Pcs. of Magnetic Alphabet (a to z) in Multicolour

It is ideal for teaching early spelling, letter recognition, sounds of letter, reading skills & visual discrimination of alphabet. It is great for hanging notes on the magnetic surface.

Magnetic Alphabet (Capital)

CN 118



Size : 5cm
Set of 26 Pcs. of Magnetic Alphabet (A to Z) in Multicolour

It is ideal for teaching early spelling, letter recognition, sounds of letter, reading skills & visual discrimination of alphabet. Set consist of 26 pcs. of magnetic alphabet in multicolour. It is great for hanging notes on the magnetic surface.

SORTING

INTRODUCTION

Sorting is one of the primary skill in laying foundation of Mathematics. It plays a key role in child's education and life. Sorting activities help children to develop their understanding of object and shapes in their environment and help them to recognize and describe the attributes of shapes. By sorting, children understand that things are alike and different as well as that they can belong and be organized into certain groups. Getting practice with sorting at an early age is important for numerical concepts, grouping numbers and sets when they're older. This type of thinking directs them on the path of applying logical thinking to objects, mathematical concepts and everyday life in general.

2D Shape ST 200



Size : 23cm x 15cm

Two-dimensional shapes are a vital math topic for student. Matching and fixing right shapes provides fun and exciting hands on activities that can also address shape names and properties to engage and motivate student. This allow student to be creative in their learning, developing their confidence and interest in the subject.

Pattern Block (Student Set) ST 201

Hexagons	Squares	Equ. Triangles	Trapezoids	Small Rhombus	Big Rhombus
					
6 Pcs.	36 Pcs.	36 Pcs.	12 Pcs.	18 Pcs.	36 Pcs.



Set of 144 Pcs. of 6 Shapes in 6 Colours

Pattern blocks offer a distinctive way for child to learn shapes and patterns. Using these blocks for sorting on different properties such as colours, shapes or size. It provides wonderful learning experiences along with opportunity to be creative. Many other concepts such as fractions, shapes, angle relationships, symmetry, area and perimeter etc. can be explored through hands-on activities which encourage the child to learn math with an entertaining approach

SORTING



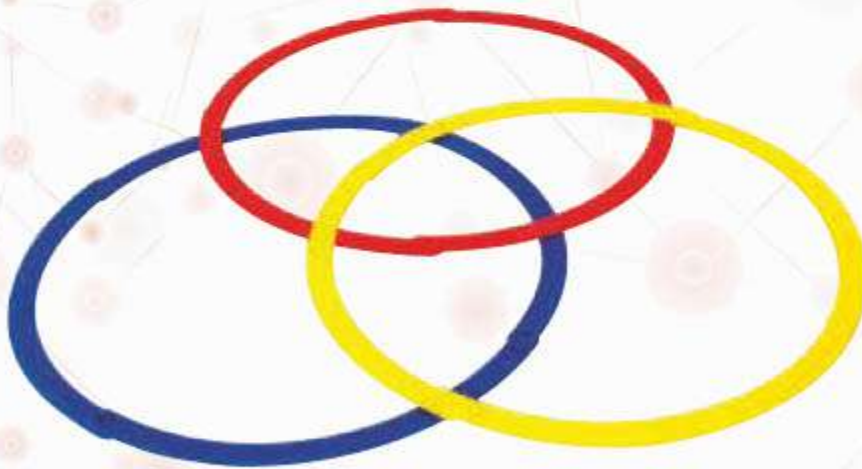
Attribute Blocks ST 202



Size : 21.5cm x 15cm
Set of 60 Pcs. of 5 Shapes in 3 colours

Each set of Attribute blocks includes shapes in distinct colours, sizes and thickness which allows child to sort and classify based on different attributes such as colours, shapes, big/small, thick/thin etc. This manipulative not only fosters hands-on learning but also helps in developing pre-number sense and math vocabulary.

Sorting Ring ST 203



Diameter : 30cm
Set of 3 Rings in 3 Colours

These Plastic foldable circle rings can be used in different ways from elementary to higher secondary for grouping, set theory and Venn diagram demonstration.

PLACE VALUE

INTRODUCTION

Place value is an extremely important concept that lays foundation of Number Sense. It is taught as early as in kindergarten and as children learn about larger numbers, the concept of place value continues throughout the middle grades. Place value refers to the value of the digit based on its position. Place value is an abstract concept that is difficult for young learners. Understanding place value fully requires many hands-on experiences.

Frame Abacus (Wooden)

PV 300



Size : 30cm x 25cm
Set of 100 Beads with 10 Wire

This smooth-sanded wooden Abacus with 10 wires and 10 beads in each wire. This resource is very effective in developing the concept of place value and number operations in different ways.

Counting Abacus (Wooden)

PV 301



Size : 30cm x 25cm
Set of 55 Beads with 10 Wire

This is a simple wooden frame abacus with 10 wires, 1st wire contains 1 beads and 10th wire contains 10 beads in ascending order. This abacus can be used in developing early math skills and to learn to count till 10, comparing and ordering small numbers, simple addition and subtraction.

Game of Place Value

PV 302



Size : 20cm x 7cm
Set of 54 Beads with 6 Wire

This U-Shaped wire abacus with 6 wires and 9 beads in each wire is used to learn the concept of place value of different number up to lakh. Forming numbers with given digits and hence building greatest/smallest number is fun to learn.

Decimal Abacus

PV 303



Size : 20cm x 4cm
Set of 70 Beads with 7 Spikes

This wooden abacus allows child to learn decimal numbers and its place value. Performing operations (add or subtract) on whole numbers and decimals numbers with this abacus is easy and fun.

PLACE VALUE



Place Value Mat with Stacking Counters PV 304



Size : 30cm x 27cm

Set of 45 Cards with 125 Counter in 5 Colours

Help children visualize place value as they build numbers from 1 to 99,999. Set of 5 colour-coded stacking counters supports in learning numeric, written, and expanded forms of a number and number operations. It also includes place value mat and place value cards. Counter snaps together vertically and can be stack in its appropriate place.

Place Value Chart with Sticks PV 305



Size : 30cm x 46cm

Set of 60 Cards with 250 Sticks

Making bundles of ten sticks to represent tens, gives a hands-on experience to group numbers in tens. This kit allows children to perform activities related to place value counting, grouping, concept of hundreds, tens and ones, numeration and number operations.

Magnetic Base Ten Blocks PV 306



Set of 121 Pcs.

Units : 100 Pcs., Tens Rods : 10 Pcs.,
Hundreds Flats : 10 Pcs., Thousand Cube : 1 Pc.
(Two-Dimensional Representation of Each)

Model essential base ten and place value concepts on your magnetic whiteboard so the whole class can see. These proportional foam magnetic pieces are perfect visual aid for teaching base ten basics. One of the best resource to learn major concepts of number sense, namely place value and number operations. This classroom demonstration tool is also useful for hands on learning in small or large group.

Place Value Cards PV 307



Set of 45 Cards

Each Set Consists of 5 types of cards for each of the places Ones, Tens, Hundred, Thousand, Ten Thousand, 9 cards for each place labelled with 1-9, 10-90, 100-900, 1000-9000 and 10,000 - 90,000 respectively

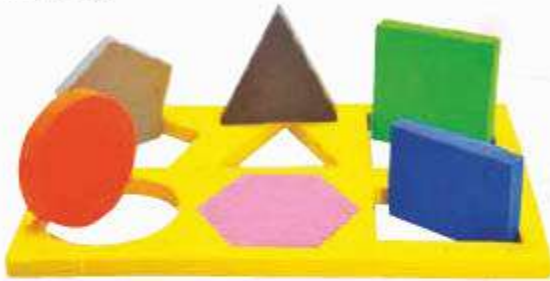
A set of cards for 5 different places – ones, tens, hundreds, thousands and ten thousands, can be used to distinguish between face value and place value, and to represent expanded and standard form of a number. It also helps in developing quick arithmetic strategies.

GEOMETRY

INTRODUCTION

Geometry is the study of figures in a space of a given number of dimensions and of a given type. The most common types of geometry studied at school level are plane geometry (dealing with objects like the point, line, circle, triangle, and polygon), solid geometry (dealing with objects like the sphere, and polyhedron). Understanding geometry is a necessary step in understanding how the world is built.

2D Shape NPK-400



Size : 23cm x 15cm

Two-dimensional shapes are a vital math topic for children. Matching and fixing right shapes provides fun to little learners. Exciting hands-on activities can also address shape names and properties to engage and motivate student.

Stencils NPK-401



Size : 21cm
Set of 10 Pcs. in 10 Colours

This set of 10 plane colourful geometrical magnetic figures are best for tracing on board and explain concepts related to shapes and its related properties.

Plastic Moulds NPK-402



Size : 20cm x 25cm
Set of 12 Hollow Shapes with Clay

It helps children to make various geometrical figures and have fun with learning.

Teachers Geometry Box NPK-403

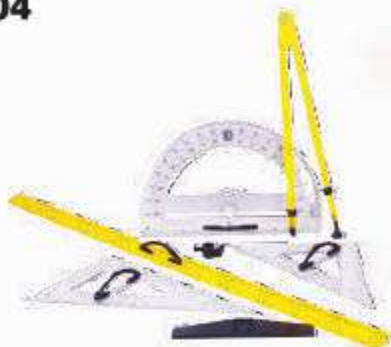


Teacher Geometry box gives access to all tools, which can be easily used on board, to teach concepts related to geometry. The set contain a D-Shaped Protractor, adjustable compass, divider, ruler, Pair of set squares and duster. All items are made from plastic.

GEOMETRY



Jumbo Geometry Box (Transparent & Magnetic) NPK-404



This set consists of transparent and magnetic geometric tools, which can be easily used on board, to teach concepts related to geometry. The set consists of 1 metre foldable scale, 50 cm compass, 40 cm set square and 40 cm protractor.

Transparent 3D Solid Set 5cm. NPK-406



Size : 5cm
Set (A) of 12 Pcs. with Lid
Set (B) of 6 Pcs. with Lid

Set of 12 transparent plastic solids (with lid) include cone, cylinder, cube, cuboid, sphere, rectangular prism, square base pyramid etc.

Hollow Sphere NPK-407



Size : Height 12.5 cm
Outer Diameter 12.5 cm
Inner Diameter 7.5 cm

This tool is used to demonstrate mass and volume of hollow sphere. This transparent manipulative has an additional section of an inbuilt inner sphere.

Transparent 3D Solid Set 10cm. NPK-405



Size : 10cm
Set (A) of 12 Pcs. with Lid
Set (B) of 6 Pcs. with Lid

Introduce children to solid geometry and allow them to investigate shapes, faces, vertices, edges, curves and angle with these plastic solids set. These large solids add a tactile element to geometry lesson, illustrating relationships between area, volume, shape and size. These shapes include cone, cylinder, cube, cuboid, sphere, rectangular prism, square base pyramid etc.

Hollow Cylinder GM-408



Size : Height 14 cm
Outer Diameter 10 cm
Inner Diameter 5 cm

This transparent manipulative helps to understand the complex calculation of surface area, volume and mass of hollow cylinder (Pipe).

Transparent Figure Set NPK-410



Size

Cube : 10cm x 10cm x 10cm

Cuboid : 10cm x 5cm x 15cm

Cone : 21.5cm (Ht.) x 10cm (Dia.)

Cylinder : 17.8cm (Ht.) x 10cm (Dia.)

Sphere : 12.7cm (Dia.)

Set of 5 Pcs. with Wire

These enormous size transparent solids set are good for demonstration. This set consists of Cube (holes on two vertices to insert wire to show diagonal of 3D figures), Cuboids, Cone (hole on top to insert wire to show difference between slant height and lateral height), Cylinder and two Hemispheres.

Volume Relation Between Cube & Sphere NPK-411



Size : 10cm x 10cm

This transparent cube comes with transparent sphere of diameter 13 cm. Outer diameter of sphere and inner dimension of cube is same. A useful manipulative for understanding the volume and mass calculation and to demonstrate complex combination of solid figure.

Formation of Tetrahedron NPK-412



Size : 12cm x 12cm

To understand formation of Tetrahedron with the help of section of plastic cube. This section model of cube demonstrates the construction of tetrahedron through midpoint of their sides.

3D Paper Nets NPK-413



Set of 14 Nets of 7 Different Shapes

A net is folded to build the 3D shape. It helps a child to relate 2D representation with its corresponding 3D shape through hands-on experience. It also gives an intuitive idea to derive formulae for surface areas of solids.

GEOMETRY



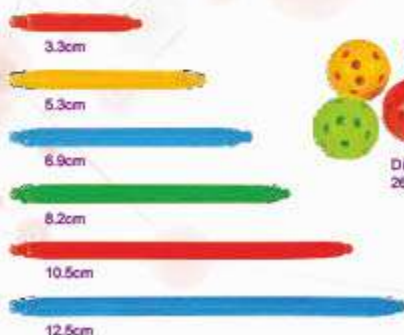
Polyhedron & Their Nets NPK-414



Size : Height 7.6cm x Base 3.8cm
Set of 12 Pcs. with 3D Nets.

A perfect resource to investigate their shapes, faces, vertices, edges, curves and angles with these 12 pieces set of plastic 3D shapes and their Nets. It is used to learn geometry and mensuration facts and formulae.

Vertex Wonder NPK-416



Diameter : 19mm
26 Holes



Set of 330 Pcs.
Total No. of Balls 80 Pcs. in 4 Colours
Total No. of Rods 250 Pcs. in 6 Length & 4 Colours

Vertex wonder set consists of linking rods and vertex ball, which is designed to understand the concept of edges and vertices, being creative by constructing different models, building different 3D shapes that help children to analyse the difference between Pyramid and Prism.

Volume Relation Between Cone & Cylinder NPK-415



Size : 10cm x 10cm
Set of 2 Pcs. with Lid

Best resource to demonstrate volume relationship between cone and cylinder of same base and same height.

GEOBOARDS

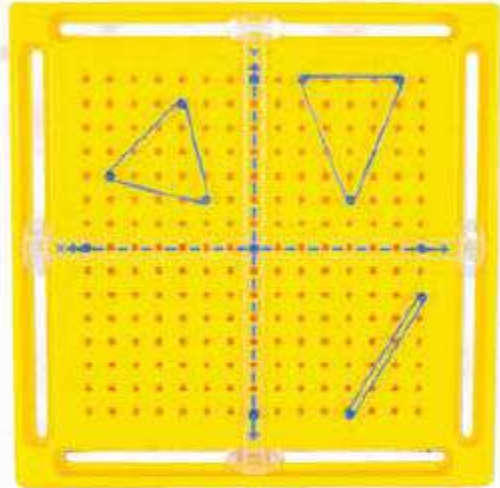
INTRODUCTION

Geoboards were invented and popularized in the 1950s by Egyptian mathematician Caleb Gattegno (1911-1988). A geoboard is a mathematical resource used to explore basic concepts in plane geometry such as properties of triangles and other polygons, angles, symmetry and patterns, area and perimeter etc. It consists of a plastic board with a certain number of pegs half driven in, around which are wrapped rubber bands.

X-Y Axes Co-ordinate Geoboard NPK-417

Size : 25cm x 25cm

This geoboard has a sliding X and Y axis along with 50 pegs that makes coordinate graphing easy to understand. The pegs can be used to locate points in one or all four quadrants and show various geometric concepts such as equation of a line, slope and a mid-point of a line, translations, rotations, representing data in a bar or line graph, functions with the help of rubber bands.



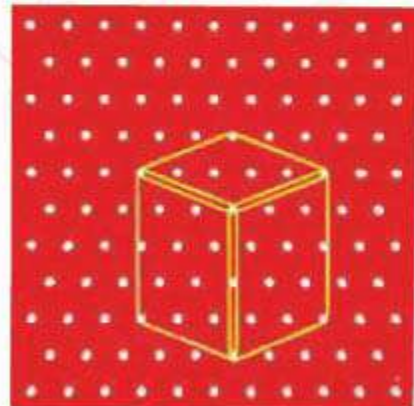
Transparent Geoboard NPK418



Size : 23cm x 23cm

An 11 x 11 grid of pegs on transparent Geoboard with rubber bands can also be used on overhead projector or to trace a polygon given in book with rubber bands.

Isometric Geoboard NPK-419



Size : 20cm x 20cm

Iso metric c Geoboard is an ideal for helping children to develop spatial visualization skill by imagining and creating fascinating 3D Shapes on the board with the help of rubber bands.

GEOBOARDS

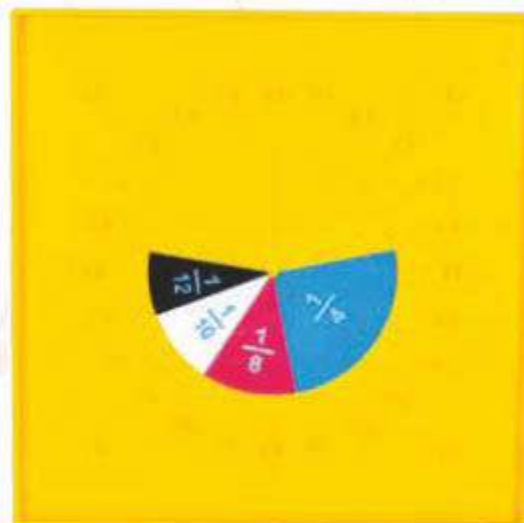


Flip n Fraction Geoboard with Circle Cuts NPK-420

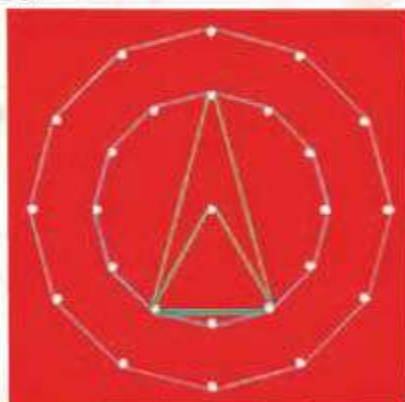


Size : 20cm x 20cm
Set of Plastic Circular
Fractions Cuts up to $\frac{1}{12}$

Flip n Fraction Geoboard is a versatile resource that can be used on both the sides. It has square geoboard on one side and circular geoboard on other side. The circular fractions cut outs are used in circular tray to explore concepts related to fractions.



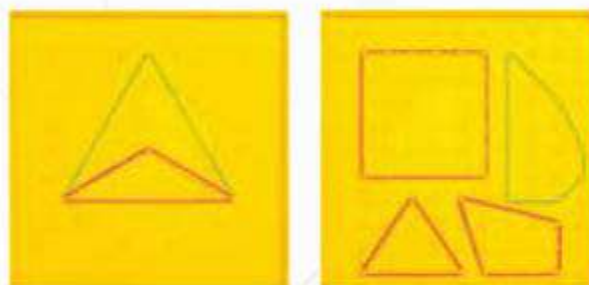
Circular Geoboard NPK-421



Size : 20cm x 20cm

Circular Geoboard has 24 numbers of equally spaced peg arranged on two different circumferences of a circle and one peg at the center. It is used to draw the various geometrical shapes and to explore the circle related theorems with the help of rubber bands.

Double Sided Geoboard NPK-422



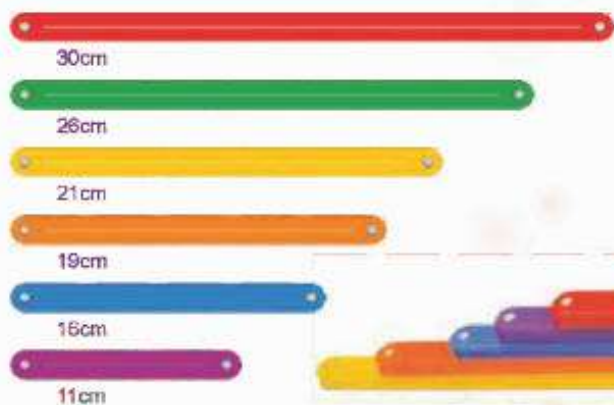
Size : 20cm x 20cm

This double-sided geoboard with 11 x 11 pin grid arrangement on one side and a 24-pin circular pattern on the other side. This geoboard is primarily used in the exploration and recognition of shapes, designs, spatial relationship, angles, fractions, area, perimeter, symmetry and coordinates with the help of rubber bands.

GEOBOARDS



Geo Geometry Sticks NPK-422



Triangles



Angles



Quadrilaterals



Explore geometric concepts with Geometry Sticks

Set of 24 Magnetic Sticks in 6
Different Lengths and Colours

Geo Geometry Sticks can easily snap together to motivate learners to explore plane geometry on their desk or on magnetic board. Learners will discover and analyse the creation of polygons using the same length sticks versus different length stick, investigate triangle inequality theorem, mid-point theorem, concept of angles etc.

GEOBOARDS



Geometry Kit NPK-424



Size : 23cm x 1.5cm
Set of 7 Sticks with Full Protector

Seven Plastic sticks having 5 holes on equal distance. Sticks can be joined with screw provided in the kit. It helps to investigate properties of parallel lines and transversal and their angle relationship.

Multipurpose Geo Sticks

These transparent plastic strips with measure 260 mm x 20 mm having different slots and holes to make different angles and shapes. This manipulative is versatile and can be used according to the subject requirements.

Geo Sticks Type 1 NPK-425



Location of Slots :

1st Slot 0 - 25 mm 2nd Slot 70 - 95 mm
3rd Slot 140 - 165 mm 4th Slot 210 - 235 mm

Plastic Sticks having 3 holes of diameter 5 mm at a distance of 50 mm and 190 mm from one end. 4 slots 125 x 5 mm with both ends rounded to semi-circle.

Geo Sticks Type 2 NPK-426



Location of Slots :

1st Slot 0 - 25 mm 2nd Slot 70 - 95 mm
3rd Slot 140 - 165 mm

Plastic Sticks having 2 holes of diameter 5 mm at a distance of 50 mm and 120 mm from one end. 3 slots 125 x 5 mm with both ends rounded to semi-circle.

Geo Sticks Type 3 NPK-427



Location of Slots :

1st Slot 0 - 30 mm 2nd Slot 50 - 200 mm
3rd Slot 220 - 250 mm

Plastic Sticks having 3 slots of diameter 5 mm at a distance.

Geo Sticks Type 4 NPK-428



Location of Slots :

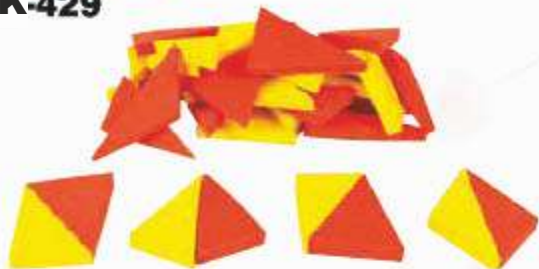
1st Slot 0 - 0.3 mm 2nd Slot 0.5 - 2.0 mm
3rd Slot 2.2 - 2.5 mm 4th Slot 210 - 235 mm

Plastic Sticks having 3 slots of diameter 5 mm at a distance.

GEOBOARDS



Triangle Kit NPK-429



Set of 60 Pcs.

Allow Children to learn about the classification and congruency of triangles according to sides and angle with the help of this kit. This kit consists of 5 different type of congruent triangles.

Angle Property of Cyclic Quadrilateral NPK-432



Diameter: 21cm

A foam resource, to be used individually or in small groups, to investigate that the opposite angles of a cyclic quadrilateral are supplementary.

Exterior Angle of Regular Polygon NPK-430



This equipment is used to demonstrate the sum of exterior angle of a regular polygon is 360° . A regular hexagon with extended arms to make exterior angle and set of angles cut outs according to the polygon.

Angle Sum Property of Triangle NPK-430



Size : 21.5cm x 21.5cm

This resource includes a triangle with cut outs of its interior angles. This resource allows child to investigate angle sum property of triangle and relation between interior and exterior angles of a triangle. It can be used to demonstrate on magnetic board also.

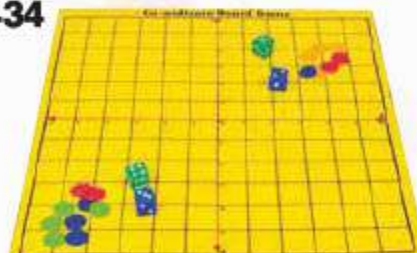
Construction of Parabola NPK-431



Size : 19cm x 20cm
Total No. of Slots in
Plate is 24 on each side

Plastic triangular plate with equally marked slots of division are joined together with the help of rubber bands to construct Parabola.

Co-ordinate Board NPK-434



Size : 38cm x 38cm
Set of 4 Dice with 50 Counters

This board game makes learning of coordinate geometry fun and easy. A very common task in math class is to plot and name points on four quadrants of a graph. We offer coordinate board game with colour counters and dice to explore the plotting of coordinates and naming their respective points.

GEOBOARDS



Angle Sum Property of Quadrilateral

NPK-435



Size : 26cm x 18cm

This resource includes a quadrilateral with cut outs of its interior angles. This resource allows child to investigate angle sum property of quadrilateral. It can be used to demonstrate on magnetic board also.

Ratio of Area of Similar Triangles

NPK-436



Size : 7.5cm x 7.5cm x 7.5cm
Set of 32 Pcs. in 2 Colours

A resource to verify that the ratio of the areas of two similar triangles is equal to the ratio of the square of their corresponding sides

Folding Geo Solid

NPK-436



Size : 5cm
Set of 12 Pcs. with Folding Nets

This resource allows children to connect 3D solids with its 2D representation, and to deduce formulae for surface areas and volumes.

3D Colour Solid Set 10cm

NPK 438



Size : 10cm
Set (A) of 12 Pcs. with Lid
Set (B) of 6 Pcs. with Lid

Mensuration Cube

NPK-439



Size : 5cm
Set of 5 Pcs.

It is used to extend the concept of surface area and volume of solids into a cube. The learner can also explore the concept that increase/decrease in the volume of a solid may not result the same change in its surface area.

Tangent Geoboard

NPK-440



Size : 24cm x 24cm

This geoboard is used to investigate the concepts related to circles and tangents with the help of rubber bands.

GEOBOARDS



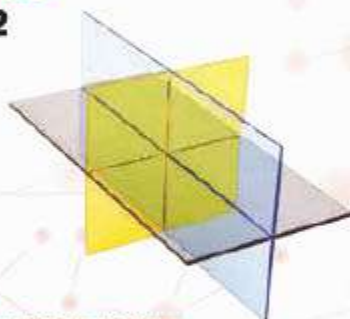
Cylinder Cuts in Eight Parts NPK-441



Size : Height 15cm
Diameter : 9cm
Set of 8 Pcs.

Use this resource to obtain the formula for volume of a right circular cylinder in terms of its length and base radius.

Octant 3D NPK-442



Size : 30cm x 15cm x 15cm

An octant 3D in solid geometry is one of the eight divisions of a Euclidean three-dimensional coordinate system defined by the signs of the coordinates. It is same as the two-dimensional quadrant and the one-dimensional ray.

Perpendicular Line Segment is Shortest Path NPK-443

Size : Base 16cm, Height 24cm

A useful resource to investigate that the shortest distance is the perpendicular line segment



Parallelogram Kit NPK-444



Size : 17cm x 13cm
Set of 6 Parallelogram in 6 Colours

A very useful resource to classify parallelograms and investigate properties and theorems related to parallelogram

3D Colour Solid Set 5cm NPK-445



Size : 5cm
Set (A) of 12 Pcs. with Lid
Set (B) of 6 Pcs. with Lid

A useful resource to investigate shapes, faces, vertices, edges, curves and angle with this 12 pieces set of opaque plastic solids.

Area of a Circle NPK-444



Diameter : 28cm
Set of 16 Pcs. in 2 Colours



A very useful resource to derive the formula for finding area of a circle.

GEOBOARDS



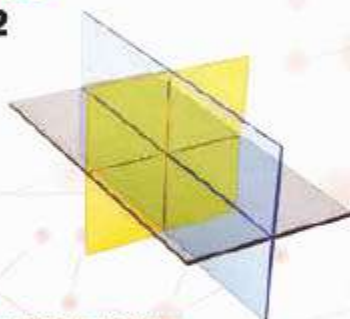
Cylinder Cuts in Eight Parts NPK-441



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Perpendicular Line Segment is Shortest Path NPK-443

Size : Base 16cm, Height 24cm

A useful resource to investigate that the shortest distance is the perpendicular line segment



Parallelogram Kit NPK-444



Size : 17cm x 13cm
Set of 6 Parallelogram in 6 Colours

A very useful resource to classify parallelograms and investigate properties and theorems related to parallelogram

3D Colour Solid Set 5cm NPK-445



Size : 5cm
Set (A) of 12 Pcs. with Lid
Set (B) of 6 Pcs. with Lid

A useful resource to investigate shapes, faces, vertices, edges, curves and angle with this 12 pieces set of opaque plastic solids.

Area of a Circle NPK-444



Diameter : 28cm
Set of 16 Pcs. in 2 Colours



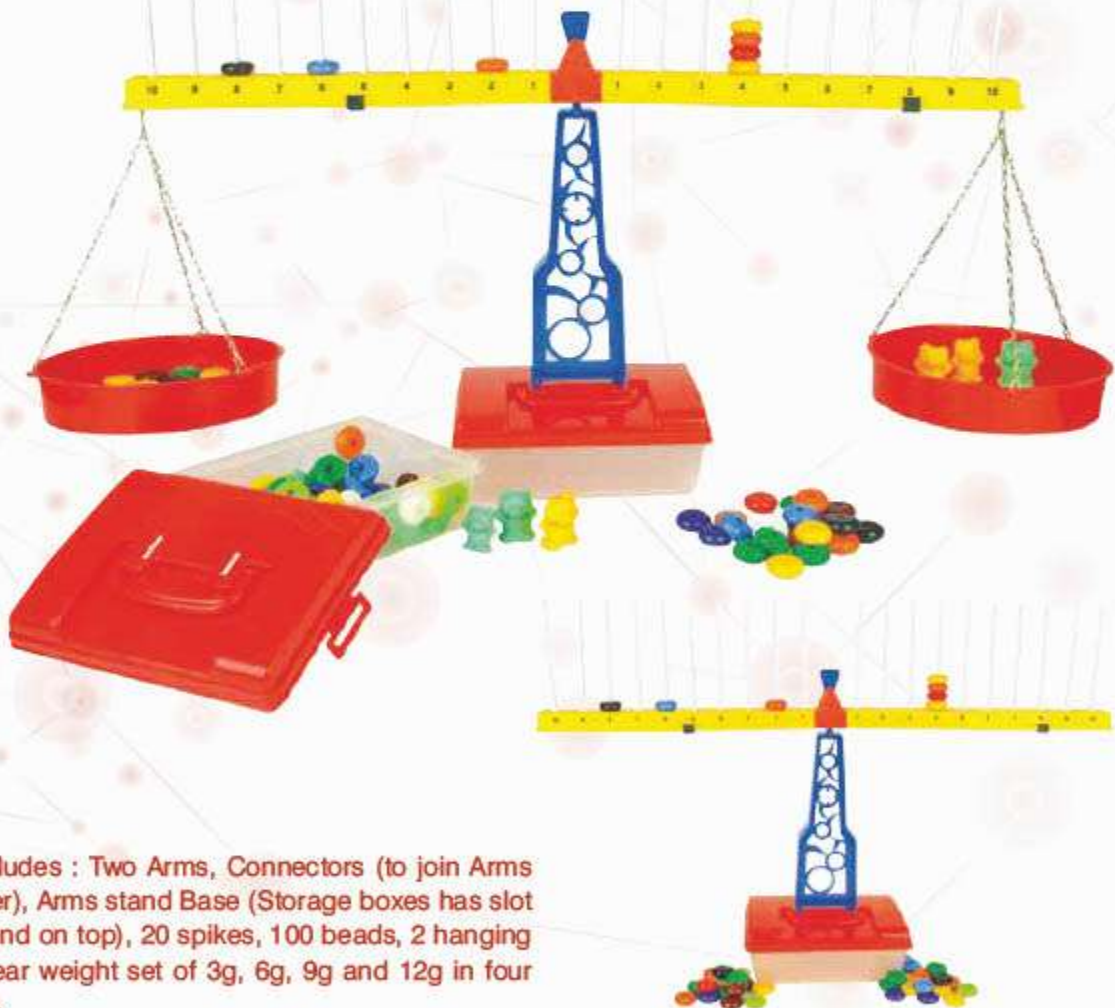
A very useful resource to derive the formula for finding area of a circle.

NUMBER SENSE

INTRODUCTION

Number sense is an important pillar because it encourages students to think flexibly and promotes confidence with numbers. The child gradually develops sense of what numbers mean, understands their relationship to one another, can perform mental math, understands symbolic representations, and can use those numbers in real world situations. In her book, *About Teaching Mathematics*, Marilyn Burns describes students with a strong number sense in the following way: "[They] can think and reason flexibly with numbers, use numbers to solve problems, spot unreasonable answers, understand how numbers can be taken apart and put together in different ways, see connections among operations, figure mentally, and make reasonable estimates." To help child developing number sense, these resources can contribute a lot in taking child from concrete to abstract.

Number Planet NB 600



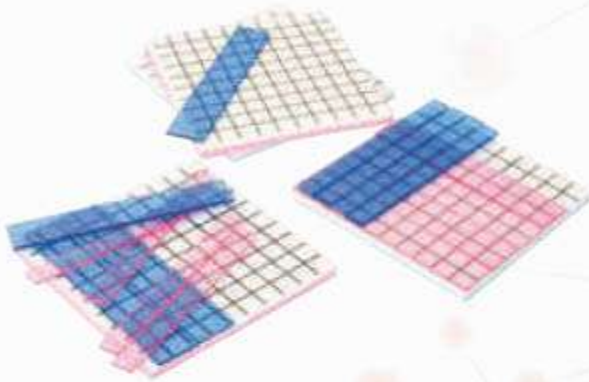
Set includes : Two Arms, Connectors (to join Arms together), Arms stand Base (Storage boxes has slot to x stand on top), 20 spikes, 100 beads, 2 hanging pan, bear weight set of 3g, 6g, 9g and 12g in four colours

Let child explore this number planet in Math lab or in classroom to investigate number concepts. It is used to introduce number relationships and number operations, value comparisons and pre-algebra concepts. This manipulative is so versatile that you can use this as Number balance, Pan balance, Spick abacus and frame counting abacus. This balance is provided with assorted plastic beads, spikes, two pans with hanger, weight set, plastic stand, connector and base.

NUMBER SENSE



Decimal Kit NB 601



Set of 20 Pcs.

Hundred Plates : 4 Pcs. (10cm x 10cm)

2 Tenths Strips : 8 Pcs. (10cm x 2cm)

1 Tenth Strips : 8 Pcs. (10cm x 1cm)

This resource can be used to learn basics of decimal numbers and investigate mathematical operations of decimal numbers with the help of grid printed square plates and some plastic strips.

Cuisenaire Strips NB 602



Size : 25cm x 2.5cm each Strips

Set of 58 Pcs.

Cuisenaire Strip is a collection of rectangular rods, each sized rod in a distinct colour with duly printed number on it. It helps to demonstrate LCM, HCF, Equivalent fractions, addition, subtraction and so on.

Power of 2 NB 603



Size : 23cm x 23cm

This tool consists with a board and 100 Pcs. of 4 colours beads. This product is used to investigate square numbers and triangular numbers.

Integer Counters NB 604



Diameter : 1.8cm

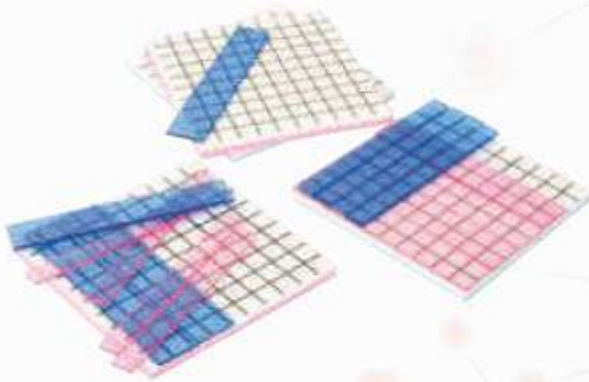
Set of 100 Pcs.

Children of middle classes keep struggling with integers. Double-sided integer counters are very useful to learn concepts of integers such as addition, subtraction, multiplication and division of integer numbers.

NUMBER SENSE



Decimal Kit NB 601



Set of 20 Pcs.

Hundred Plates : 4 Pcs. (10cm x 10cm)

2 Tenths Strips : 8 Pcs. (10cm x 2cm)

1 Tenth Strips : 8 Pcs. (10cm x 1cm)

This resource can be used to learn basics of decimal numbers and investigate mathematical operations of decimal numbers with the help of grid printed square plates and some plastic strips.

Cuisenaire Strips NB 602



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Set of 58 Pcs.

Cuisenaire Strip is a collection of rectangular rods, each sized rod in a distinct colour with duly printed number on it. It helps to demonstrate LCM, HCF, Equivalent fractions, addition, subtraction and so on.

Power of 2 NB 603



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This tool consists with a board and 100 Pcs. of 4 colours beads. This product is used to investigate square numbers and triangular numbers.

Integer Counters NB 604



Diameter : 1.8cm

Set of 100 Pcs.

Children of middle classes keep struggling with integers. Double-sided integer counters are very useful to learn concepts of integers such as addition, subtraction, multiplication and division of integer numbers.

NUMBER SENSE



Hook n Look Numerical Balance NB 607



Size : 21cm x 23cm

Hook the numbers to compare which one is greater or smaller, balance it using simple addition. It promotes child to learn basic addition and explore different combinations of a number on their own.

Roman Numbers Kit NB 608



Teacher Demo Tile Size : 10 cm x 10 cm - 14 Pcs.

Student Activity Tiles Size : 2 cm x 2 cm - 270 Pcs

Roman Numbers Kit consists of square tiles with Roman number printed on them. Manipulate these tiles to represent any number in Roman. This set is provided with printed Roman numerical on small tiles for children and big magnetic tiles for teacher demonstration

SHAPES & PATTERNS



SHAPES & PATTERNS

INTRODUCTION

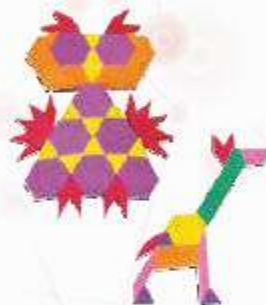
Shapes and Patterns are pillars of Mathematics. Pattern Blocks are a type of mathematical manipulative which include different shapes, developed in the sixties by the elementary Math Studies. They allow children to see how shapes can be composed or decomposed into other shapes. Pattern blocks are shapes that elementary school children use to build patterns, learn problem-solving and explore basic algebra. Pattern blocks are not only just for mathematics, they can also be used to build pictures including animals, owers, boat, ships, rocket, planes, cars, etc. Study of patterns helps in analytical thinking development and lays foundation for algebra.

Tessellation Kit

PB 700

Set of 864 Pcs

Hexagons	Squares	Equ. Triangles	Trapezoids	Small Rhombus	Big Rhombus
36 Pcs.	216 Pcs.	216 Pcs.	72 Pcs.	108 Pcs.	216 Pcs.



Pattern Block (Plastic)

PB 701



Set of 250 Pcs.

These Pattern Blocks consist of 25 hexagon, 25 squares, 50 equilateral triangles, 50 trapezoids, 50 big rhombuses and 50 small rhombuses.

Pattern Making Triangle

PB 702



This set consists of right triangles of 3 different dimension and 3 different colours too. This resource can be used to understand and develop the skills of combining triangles to make different shapes, exploring patterns and tessellations.

SHAPES & PATTERNS



Tangram PB 703



Size : 12cm x 12cm

Set of 7 Pcs. of Tangram in 4 Colours. Total 28 Pcs.

Tangram are a set of seven different shapes. Among these seven shapes are five triangles, a square and a parallelogram. Among the triangle, there are two large triangles, one medium triangle, and two small triangles. Each of the triangles is a right triangle.

Sit & Set PB 705



Size : 12cm x 12cm

To help children understand the basic flat shapes and their various geometric combination. This set is provided with combination of 6 flat shapes in a reusable box. This kit also helps in developing eye-hand coordination and motor skill development. Being a puzzle it also promotes cognitive development.

Pattern Block (Student Set) PB 704



Set of 144 Pcs. of 6 Shapes in 6 Colours

Fraction Pattern Blocks PB 706



Set of 200 Pcs. in 5 colours

This will be so fun to explore fractions with this kit. This colourful kit includes different shapes to explore different fractions concepts.

SHAPES & PATTERNS



Pentominoes

PB 707

Set of 60 Pcs

Pentominoes is a famous puzzle, PB 707 that are made from 5 identical squares, fixed together at their edges. There are at least five good reasons to incorporate pentominoes in the classroom. Pentominoes nurture a non-anxious attitude toward mathematics and science, promote an atmosphere of cooperation, support development of the problem-solving process, provide spatial ability skill exercises, and introduce children to elementary number theory. In the pentominoes puzzle game, players must rotate and fit them into a grid so the shapes interlock and the finished grid has no empty space. Pentominoes can also be used to examine the concepts of congruence, similarity, transformations (flips, turns, slides), tessellations, perimeter, area etc.



Symmetry Kit

PB 708



Look through the hole in the mirror and explore infinity!



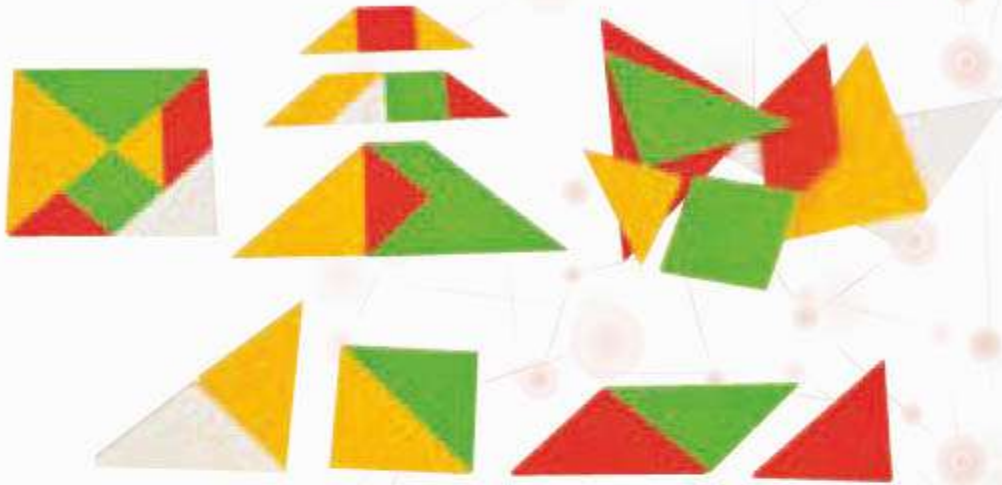
Set includes 3 vertical acrylic mirrors, one semi-circular horizontal acrylic mirror, wooden frame with degree graduation, 30 pattern blocks, and 64 × 2 activity cards.

The Symmetry kit stimulates the child's imagination and allow them to explore symmetry and reflection with their creative designs. They will also want to look through the mirrors and see their own multi image reflection.

SHAPES & PATTERNS



Tangram Plastic PB 709



Size : 12.5cm x 12.5cm

Set of 7 Pcs. of Tangram in 4 Colours. Total 28 Pcs.

Tangram is a set of seven different shapes. Among these seven shapes are five triangles, a square, and a parallelogram. Among the triangle, there are two large triangles, one medium triangle, and two small triangles. Each of the triangles is a right triangle.

Magnetic Tangram PB 710



Size : 21cm x 21cm

Set of 7 Pcs. of Tangram

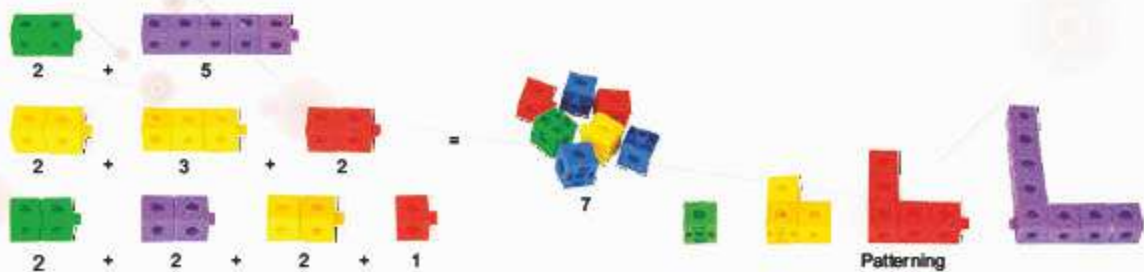
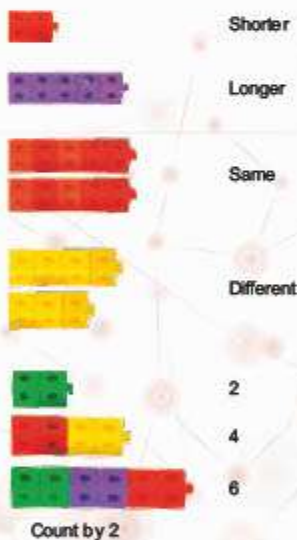
Magnetic Tangram is a perfect tool for classroom demonstration.

CUBES

INTRODUCTION

Interlocking Cubes and Linking Cubes provide mathematical learning experiences to develop the concept of counting, sorting, place value, number operations, measurement, patterns, algebra and mensuration. Easy to connect from all sides also supports motor skill development of toddlers. These cubes are a versatile tool for all levels of learning and proficiency in the classroom.

Interlocking Cubes CB 800



Size : 2cm x 2cm x 2cm
Set of 625 Pcs. in 5 Colours

Easy to connect on all sides, these interlocking 2cm cubes comes in 5 bright colours.

CUBES



Linking Cubes CB 801



Size : 1.5cm x 1.5cm x 1.5cm
Set(A) of 100 Pcs. in 2 Colours
Set(B) of 500 Pcs. in 5 Colours
Set(C) of 1000 Pcs. in 10 Colours

Easy to connect from all sides, these plastic 1.5 cm linking cubes in 10 colours come in a reusable pouch.

Interlocking Cubes CB 802



Size : 2cm x 2cm x 2cm
Set of 64 Pcs. in Single Colour

Interlocking Cubes CB 803



Size : 2cm x 2cm x 2cm
Set of 128 Pcs. in 2 Colours

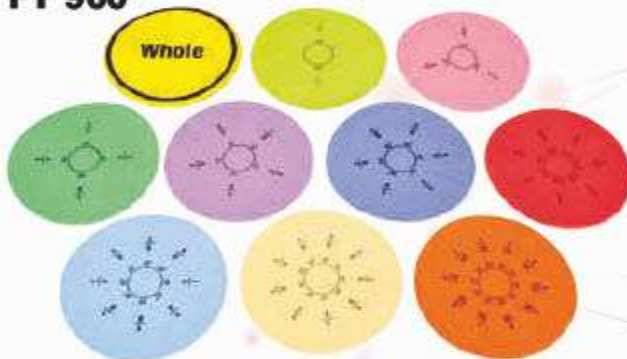
FRACTIONS

INTRODUCTION

Learning fractions have always been a struggle for most of the children, though it is an important concept which also lay the foundation for decimal, percentages and many other concepts. Providing exposure of fraction with the manipulatives which allows a child to explore parts of different shapes helps in laying the strong foundation of fractions. Fractions manipulatives are an excellent learning tool. Children usually get confused in comparing fractions, these resources allow the child to concretely compare the parts and visually observe the difference. They can easily establish that one-third is larger than one-fourth and that vertex is the same as one whole and so on.

Magnetic Fraction Disks

FT 900



Diameter : 16.5 cm

Set of 55 Fractions Pcs. from $\frac{1}{2}$ to $\frac{1}{10}$ including a whole with Magnetic Plate.

Children have fun learning fraction with this hands-on fraction math manipulative perfect for games and activities. These colourful, soft foam magnetic fraction circles are simple to use and fun to teach a child about fractions and their concepts. The easy to grip colour coded pieces allow the child to see, feel and compare equivalent fraction.

Non Magnetic Fraction Disks

FT 901



Diameter : 16.5 cm

Set of 55 Fractions Pcs. from $\frac{1}{2}$ to $\frac{1}{10}$ including a whole.

Fraction Squares

FT 902



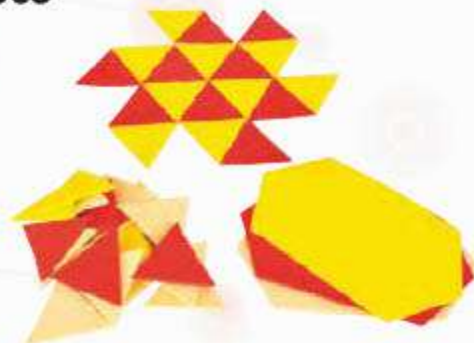
Size : 10cm x 10cm

Set of 9 Pcs.

Fraction square is very useful math manipulative to learn fractions, percentages, and decimals. Using fraction square is an effective way of introducing or reviewing the concept of square fraction. One of the best resource to explore the relationship between fractions, decimals, and percentages.

Designer Fractions

FT 903



Set of 72 Pcs. of Equilateral Triangles in 3 Colours

This resource allows students to explore fractions as a part of a collection. This manipulative also helps to develop and design different type of tessellations using only triangles.

FRACTIONS



Fraction Bar FT 904



Size : 19cm x 25cm
Set of 51 Pcs. varying from
whole to $\frac{1}{12}$ th.

Set of colourful Fraction Bars comes in a plastic Box. 904 The total of 51 solid plastic bars represents a whole, halves, thirds, fourths, fifths, sixths, eighths, tenths and twelfths. The fractional value appears on the one side of the bars and their percentages on the other side. Fraction bars is a fun way to concepts related to fractions and percentages.

Phases of Fraction FT 905



Set of 48 Pcs. in Multicolours

This set is very useful math manipulative to learn 905 on fraction, percentage, decimals, area, perimeter of different shapes and their relation. Using this set is an effective way of introducing or reviewing the concept of fraction. This set is provided with different fraction of rectangle and square

FRACTIONS



Fraction Wheel FT 906

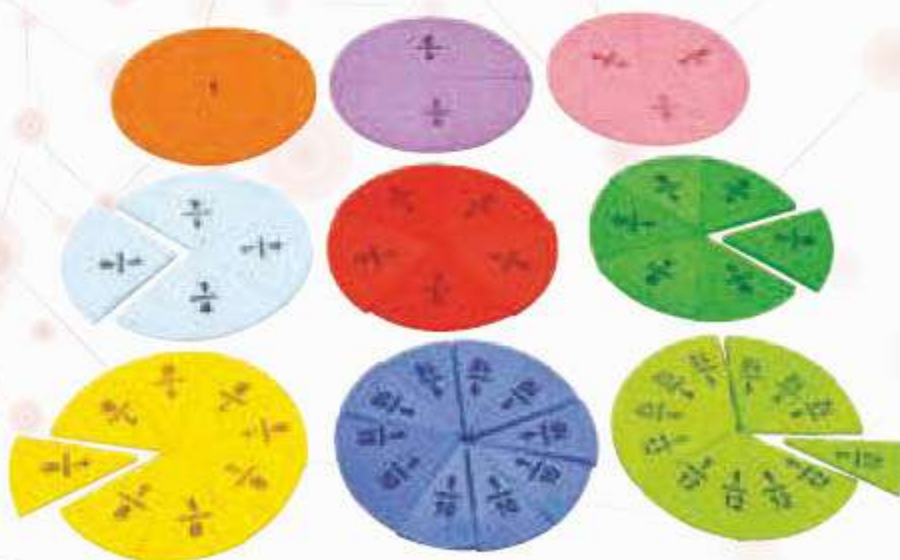


Diameter : 10cm

Set of 10 Pcs.

These are fraction circles cut outs with diameter 10 cm includes fraction up to $\frac{1}{10}$, duly packed in plastic container. Suitable for individual /small group activity for fractions.

Magnetic Fraction Wheel FT 907



Diameter : 10cm

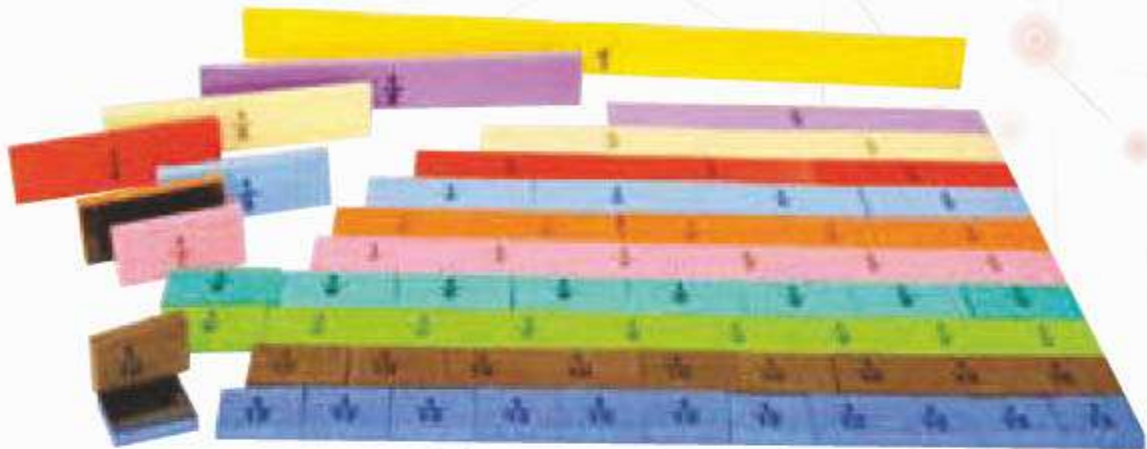
Set of 9 Pcs.

A set of 51 proportionally-sized pieces representing a whole, halves, thirds, quarters, fifths, sixths, eighths, tenths & twelfths in 9 distinct colours with printing on each piece.

FRACTIONS



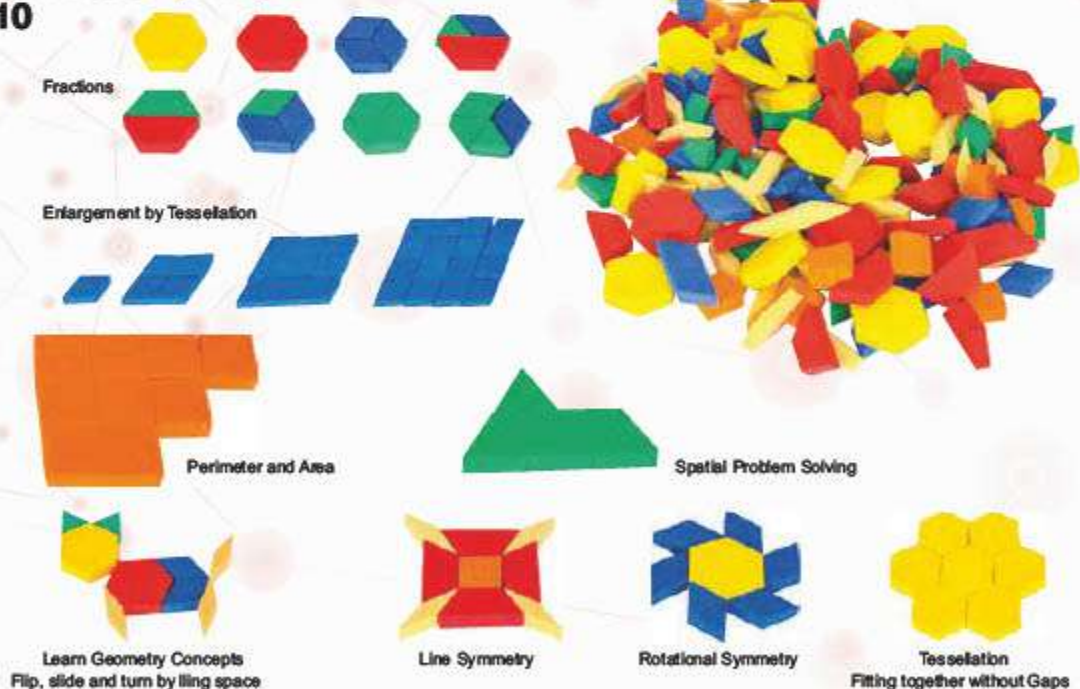
Magnetic Fraction Bar FT 908



Diameter : 14cm
Set of 6 Pcs.

A perfect tool for class room demonstration. The large size magnetic fraction bars make it easy for a teacher to demonstrate different conceptual activities and generalize the results. These are the fun way to teach the meaning of fraction, explore equivalence, comparison, and different operations.

Pattern Block (EVA) FT 910



Size : 1 cm Thick
Set of 250 Pcs.

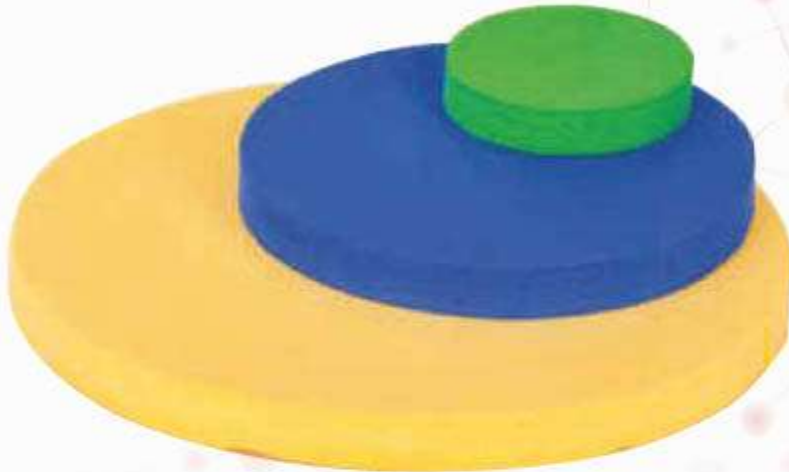
Pattern Blocks are an extremely versatile manipulative that may be used to develop a range of mathematical concepts like symmetry, fractions, Spatial Problem Solving, Geometry and Tessellation. These Pattern Blocks consist of 25 Hexagons, 25 Square, 50 Equilateral Triangles, 50 Trapezoids, 50 Small Rhombuses, and 50 Big Rhombuses.

CIRCLE

INTRODUCTION

Circle is a type of line forming a closed loop, every point on which is at a fixed distance from a center point. Imagine a straight line segment that is bent around until its ends join. To understand circle in a better way, there are some resources using those children can perform different activities to investigate different concepts related to circles.

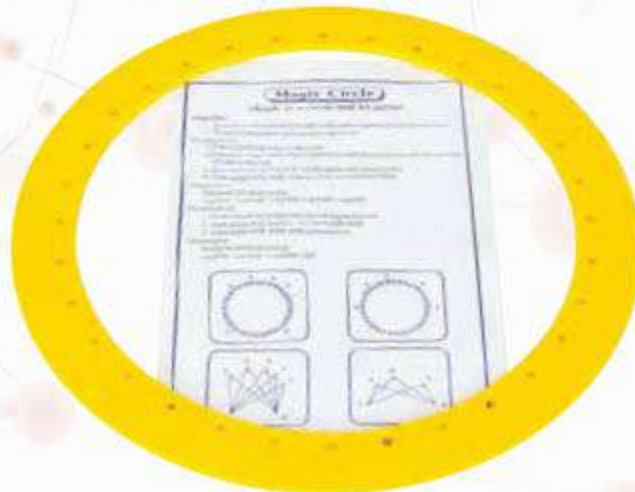
Circle Kit CL 1000



Diameter : 15cm, 10cm, 5cm
Set of 3 Circles in 3 Colours

Circle Kit is provided with a set of three circular discs having the different radius. This kit helps to understand the relationship between the radius, diameter, and their circumference. By this kit, a child can explore the concept of circles, concentric circles, circumference of circle and derivation of Pi.

Magic Ring CL 1001



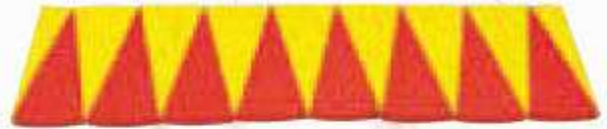
Outer Diameter : 25cm
Inner Diameter : 20cm

Magic Ring is a circular plastic ring with outer diameter 25 cm and inner diameter 20 cm having holes on a certain distance. The total number of holes on its periphery is 32. This manipulative is designed to investigate concepts related to a circle, and exploring the area of the ring by placing it on drawing sheet or on the white board.

CIRCLE



Derivation of Pi CL 1002



Diameter : 28cm
Set of 16 Pcs. in 2 Colours

It is used to derive the formula for area of circle.

Ring of Theorem CL 1003



Diameter : 25cm

Ring of theorem is used to investigate the properties and theorems related to circle such as sum of opposite angles of a cyclic quadrilateral is supplementary, angle in a semicircle is a right angle; angles in the same segment of a circle are equal etc. This manipulative is provided with rubber band and reusable storage box.

MEASUREMENT

INTRODUCTION

Measurement Resources explores procedures for measuring and learning about standard units in the metric system, the relationships among units, and the approximate nature of measurement. These resources help you to measure or compare different lengths, weights or capacity. Measurement is the process or the result of determining the ratio of a physical quantity, such as Length, Weight, Volume, Temperature etc. to a unit measurement, such as the metre, grams, millilitres or degree Celsius etc. These tools allow you to explore relationship among different units. The science of measurements is called metrology.

Measuring Tape MM 2000



Length : 15 Meter

Measuring tapes are used to measure length of different objects or distances. Children can estimate lengths and verify their estimation using these tapes.

Measuring Tape MM 2001



Length : 1 Meter

Measuring Tape MM 2002



Length : 3 Meter

Metric Wheel MM 2002



Length : 76cm
Circumference
of Wheel 50cm

Now it's easy to measure long distances using metric wheel. This half meter (50 cm) circumference wheel attached to the durable plastic rod duly covered with rubber grip. Children will find it easier to measure longer distances with these sturdy plastic Metric Wheel. Each time the wheel completes one revolution, it completes half meter length. This wheel is having non-slip rubber tyre for more accurate reading.

MEASUREMENT



Vernier Calliper MM 2004



When highly accurate measurements are needed, Vernier Calliper refines the accuracy of the measurements.

Folding Meter Stick (Plastic) MM 2005



Length : 1 Meter

This folding meter sticks folds into fourth on three hinges for easy storage. Calibrated in metric units and enable us to measure length of any object. Metric rulers only deal with centimetres and millimetres. Inches are a part of the customary system which is not included in this stick.

Half Meter Scale (Wooden) MM 2006



Length : 50cm

To measure any length up to half a metre, this half meter wooden scale is very appropriate. It is duly marked up to 50 cm.

Magnifying Measure MM 2007



Size : 60cm x 5cm Each Strips
Set of 7 Magnetic Strips

If you need to explore inter-relation among different units (metric as well as customary), then this resource is solution to your requirement. For better understanding of unit conversion from millimetre to meter and inches to feet, go for this resource.

Wall Thermometer MM 2008



Size : 20cm x 5cm

An appropriate tool to measure the temperature of a place in shade and in sunlight to compare them and verify the conversion formula for Celsius to Fahrenheit.

Chemical Thermometer MM 2009

Size : 29cm

To measure the temperature of ice, tap water, milk, and sand. The child will be able to measure that at a time, different things absorb different amount of heat and thus show different temperature. Children become skilled in taking temperature of different things.



MEASUREMENT



Rain Gauge MM 2010

Size : 26cm
Set of 3 Pcs.

A child can compare rainfall of different seasons for a place and can conclude how wet a place is. The set of rain gauge is provided with metal case having removable lid to collect rain water and a plastic calibrated rain gauge jar duly marked in centimetres.



Cup Set MM 2012

Set of 12 Pcs



Jug & Beaker Set MM 2010

Size : 50ml, 100ml, 250ml,
500ml Beaker and 1000ml Jug.
Set of 5 Pcs.

Set of 5 unbreakable beakers with easy to read calibrations. Using the beakers, children can strengthen their understanding of liquid volume as well as the relationship between various units of capacities.



MEASUREMENT



Kitchen Balance MM 2014



Weight Capacity : 5kg

A kitchen scale is a useful tool not only for kitchen but also for Maths lab for weight measurements and conversion between units of weight. Set the scale to zero, this means turning a knob to set the dial indicator to the zero mark. It has pan on top to measure the weight of liquids, solid in grams or kilograms. Its scale allows you to read the measure shown by the needle. The balance allows you to measure weight up to 5kg.

Spring Balance MM 2015



Weight Capacity : 1kg

Tubular spring scales feature a clear plastic tube case that allows children to view internal working component.

Dish Balance with Weight Number and Bear Weights MM 2018



Weight Capacity : 5kg

This durable plastic dish balance allows children to measure and compare weights. They can see what they are measuring and relate visual and measured observation. Set of bear family weights is provided with this balance.

Pan Balance MM 2019



Size : 64cm x 35cm

Set consists of Plastic Stand, Two Pans with Hangers, Connector, and Base.

To measure or compare weight, use this pan balance. A perfect tool for demonstration or group activities.

INTRODUCTION

Time bring time to life for beginning time-tellers! These resources help children to tell, read and write time, to reinforce addition and subtraction skills and strengthening the understanding of time intervals.

Dummy Clock TM 3000



Diameter : 28cm

This light weight fiber dummy clock consists of movable hands of hours and minutes to develop and reinforce time telling skill.

Student Clock Write and Wipe TM 3001



Size : 12cm x 16cm
Set of 5 Pcs.

Encourage children to participate with Write-on/Wipe-off clock. This set of 5 clocks is great for small group or individual activities. A useful resource for transitioning from digital to analogue time telling, providing analogue clock with movable hands and write-on/wipe-off place to write digital time. Great way to encourage the child participation in time reading and writing activities and developing the concept and interrelation of 12-hour and 24-hour time, concept of AM and PM.

Geared Teacher Clock TM 3002



Diameter : 32cm

This Geared Clock is accurate to the hour with the movement of the minute arm. It is a great manipulative for developing time telling skill for the children. This clock is provided with bright colour clock arms, featuring easy-to-read. Hidden gears maintain correct hour and minute relationship as you manipulate moveable hands. The clock is made of durable plastic.

Student Time Indicator TM 3003



Perfect resource to compare local times of different countries with GMT. Read different time zones for different countries and compare.

Time & Work Kit TM 3004

This kit is provided with assorted colour right angle triangles with digital stop watch. This kit help to calculate work done in the same time span by the different group.



Palm Clock TM 3006

Diameter: 12.5cm

This palm size clock helps children to focus on time-telling skill and makes it easier to differentiate between hours and minutes.



Stop Watch TM 3007

This is a digital stop watch mainly use to calculate the relationship between time and work or teacher can use it in various activities.



DATA & FINANCE

INTRODUCTION

Data and Finance plays an important role in one's life. If we look deeply, many daily routine activities involved these concepts. Building a strong understanding of these concepts cannot be denied. These resources help children to learn with enjoyment and build deep understanding of the concepts. Also, activities with these resources help them to connect the learning with real world.

Dummy Currency Notes

DF 4000

Student Set (A) : 50 Pcs. (`1, `2, `5, `10, `20, `50, `100, `200, `500, `2000 = 5 Pcs. Each)

Classroom Set (B) : 250 Pcs. (`1, `2, `5, `10, `20, `50, `100, `200, `500, `2000 = 25 Pcs. Each)

Dummy currency notes provide happiness to child by giving opportunities to act buyer, seller, allowing transacting with amounts, making combination of different notes to pay an amount and learn with this realistic play money set containing dummy currency notes from `1 to `2000.



Plastic Dice

DF 4002

Size : 2cm

Set of 4 Pcs. in 2 Colours

Dice always help in making learning fun by associating this with other resources and turning resources into a game.



Dummy Cheque Book & Pay in Slip

DF 4001

This resource plays an important role in familiarizing children with banking process and connecting the use of number names in real life. Each booklet has 50 cheques and pay-in slips



Transparent Dice

DF 4003

Size : 1.8cm

Set of 4 Pcs. in 2 Colours

Dice always help in making learning fun by associating this with other resources and turning resources into a game.

DATA & FINANCE



Data Collection Board DF 4004

Size : 58cm x 43cm
Set of Wooden Board
with 10 Grooves, Stands,
100 Cube in 10 Colours.

The student will quickly learn to develop and understand bar graph using this wooden data collection board in conjunction with 1.5 cm interlocking cubes. The graph board has a write-on/wipe-off surface allowing student to label the x-axis and the y-axis as well as the title of the bar graph.



Dummy Coins DF 4005

Set of 8 Coins
25 Paise, 50 Paise 2 Pcs. each
1 Rs., 2 Rs., 5 Rs., 10 Rs. 1 Pc. each

Dummy coins provide happiness to child by giving opportunities to act buyer, seller, allowing transacting with amounts, making combination of different coins to pay an amount etc.

Probability Kit DF 4006

Set Contains One Wooden Probability Board, 1 Spinner, 4 Dice in 4 Different Colours, 20 Coins, Playing Cards, 4 Box (400 Pcs.) of Marbles in 4 Colours.

The concept of probability is fun when given an opportunity to explore. This resource gives that opportunity to explore, learn and enjoy the concept of probability. It is used to understand the concept of sample space, event space, dependent event, independent event, mutually exclusive event, random probability etc.



Colour Dice DF 4009

Size : 2.5cm
Set of 2 Pcs.

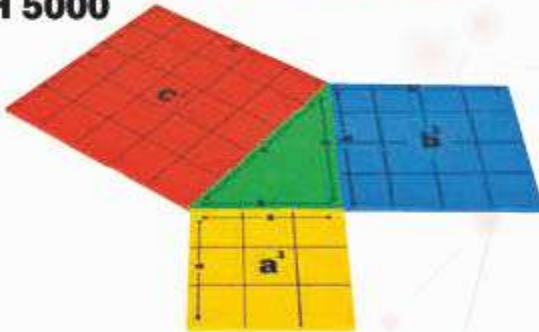
Dice always help in making learning fun by associating this with other resources and turning resources into a game.

THEOREMS

INTRODUCTION

In mathematics, a theorem is a statement that has been proved on the basis of previously established statements, such as other theorems and generally accepted statements, such as axioms. A theorem is a logical consequence of the axioms. A theorem is a general proposition, not self-evident but proved by a chain of reasoning. Theorems can be explained to the students by different manipulative that helps to understand with the reasoning behind it and build long term learning.

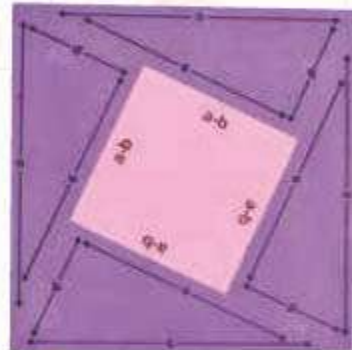
Junior Pythagoras Theorem TH 5000



Size 15.25cm x 15.25cm

To verify that in a right triangle, the square of the hypotenuse is equal to the sum of the squares of other two sides. It is provided with one plastic right angled triangle with measure (3-4-5)" and set of squares of each of the 3 sides with duly printed grid of each square inches.

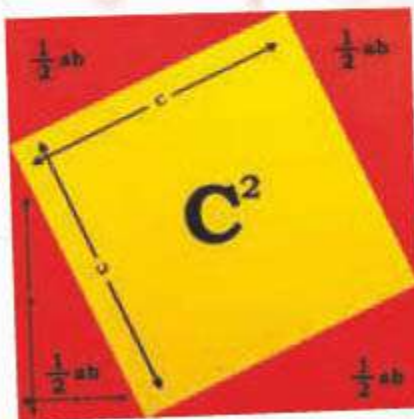
Pythagoras Theorem by Reverse Method TH 5002



Size : 28cm x 28cm

This manipulative is made up of foam with magnet at the back for demonstration purpose. This reverse Pythagoras Theorem is also called Bhaskaracharya proof of Pythagoras Theorem

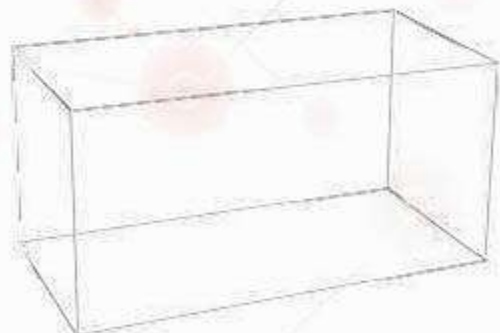
Senior Pythagoras (Magnetic) TH 5001



Size : 40cm x 40cm

Senior Pythagoras theorem is provided in acrylic consist with 4 right angled triangle and 1 big square. The overall size 16" x 16" in measures, can be display on magnetic board for demonstration.

Vector as Linear Combination of Vector TH 5003



Size : 30cm x 16cm x 16cm

It is very versatile tool made from clear Acrylic for study of vectors. Student can understand the cross and dot properties of vectors.

THEOREMS

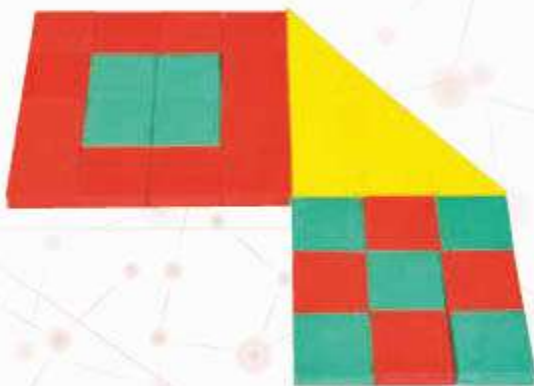


Conic Section TH 5004

Size : 10cm x 15cm

Set of 4 Pcs.

The set consists of 4 section models of Cone - Circle, Hyperbola, Eclipse and Parabola



Pythagoras Theorem by Small Square TH 5005

Size : Right Angle Triangle

Base : 11.4cm

Height : 15.2cm

Hypotenuse : 19cm

To verify the Pythagoras theorem by arranging unit squares to make square on each side equivalent to the corresponding length. Provided with 1 right angled triangle and 25 unit squares in 2 colours.

Ring of Theorem TH 5006

Diameter : 25cm

Ring of theorem is made up of plastic and used to investigate the properties and theorems related to circles such as Sum of the opposite angles of a cyclic quadrilateral is supplementary; angle in a semicircle is a right angle; angles in the same segment of a circle are equal etc. This manipulative is provided with rubber band and reusable storage box.



THEOREMS



Working Model of Pythagoras Theorem

TH 5007

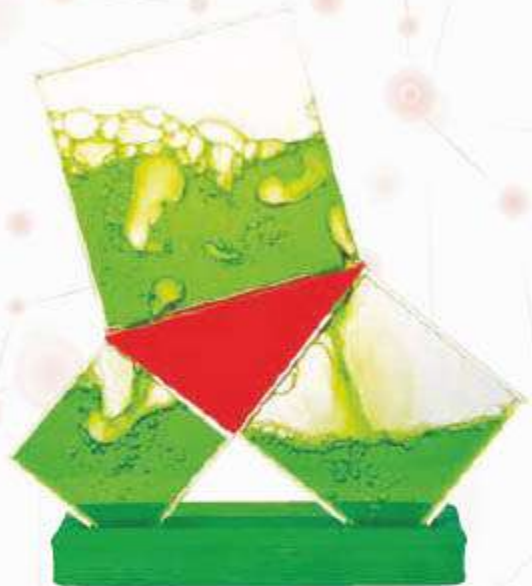
Size : Right Angle Triangle

Base : 7.5cm

Height : 10cm

Hypotenuse : 12.5cm

This working model is the great way to display proof of Pythagoras theorem by volume. It's easy to demonstrate to whole class that sum of volume of side a and side b is equal to the volume of side c.



Mensuration Kit

TH 5008



Set of 11 Demo Activity Kit

One of the best kit to explore mensuration related concepts. This kit helps to investigate and verify the area, perimeter and other physical property of two-dimensional figures. It's easy to demonstrate on magnetic board for visual understanding. 1.5cm plastic interlocking cube are also provided with this kit to make cubic identity models and a pack of activity cards with instruction manuals.

INTRODUCTION

Algebra is one of the broad and major parts of mathematics. Algebra is the language through which we describe patterns i.e. generalized form of any pattern using some letters known as unknowns or variables. It is an abstract concept and many children struggle with factoring polynomials and operating on polynomial because of lack of concrete experiences and visualization. Identities and formulas are some of the generalized logics of algebra that are used to simplify or rearrange algebra expressions. An identity is a relation which is tautologically true. This means that whatever the number or value may be, the answer stays the same

$$(a + b + c)^2$$

ID 6000

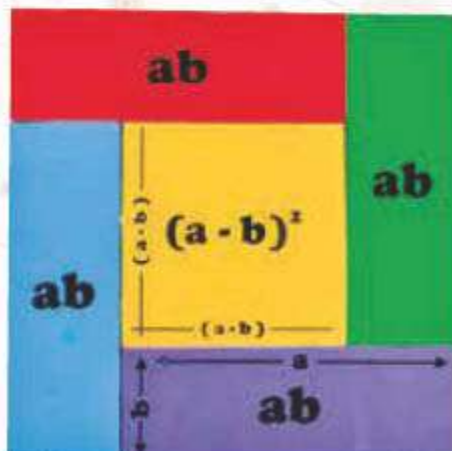


Size: 41cm x 41cm

This resource helps you to derive, investigate and generalize the identity. This can also be used to demonstrate on magnetic board.

$$(a + b)^2 - (a - b)^2 = 4ab$$

ID 6001



Size: 41cm x 41cm

This resource helps you to derive, investigate and generalize the identity. This can also be used to demonstrate on magnetic board.

$$(a + b)^3$$

ID 6002



Size : 10cm x 10cm x 10cm

Set of 8 Pcs.

This is a demonstration model of $(a+b)^3$. Made up of Acrylic easy to show the complex identity by detachable

Algebra Kit

ID 6001



Size : 17cm x 9cm

Set of 10 Pcs.

Moving to higher class, children deal with polynomials with 2 variables or more. Algebra kit allows child to investigate and learn concepts related to polynomials (2 variables) efficiently with the use of these labelled algebra tiles.

ALGEBRA



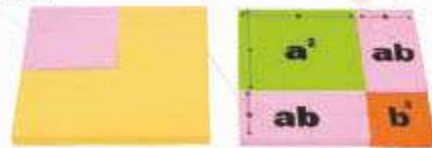
Interlocking Cubes ID 6004



Size : 2cm x 2cm x 2cm
Set of 625 Pcs. in 5 Colours

These Interlocking Cubes is available in 5 colours, which are easy to connect and twist apart. These can be used to demonstrate cubic identities, volume, and other concepts too along with fun learning

Student Identity Kit ID 6005



Size : 15cm x 15cm

D 6005 This kit allows child to generalize and derives the algebraic identities $(a + b)^2$, $(a - b)^2$ and $a^2 - b^2$.

Algebra Tiles ID 6006



Size : 5cm x 5cm



5 Pcs. 5 Pcs.

Size : 1cm x 5cm



10 Pcs. 10 Pcs.

Size : 1cm x 1cm



20 Pcs. 20 Pcs.

Set of 70 Pcs.

One of the best resource to deal with concept of algebra such as performing operations (add, subtract or multiply) on polynomials or factorizing polynomials, solving linear equations, concepts of integers etc. Using algebra tiles in teaching polynomials allows children to practice working with polynomials with a hands-on approach. Algebra tiles come with three types of tiles in two colours each, typically red for negative tiles and blue for positive tiles.

Algebra Tiles Magnetic ID 6007



Size : 12.5cm x 12.5cm



5 Pcs. 5 Pcs.

Size : 2.5cm x 12.5cm



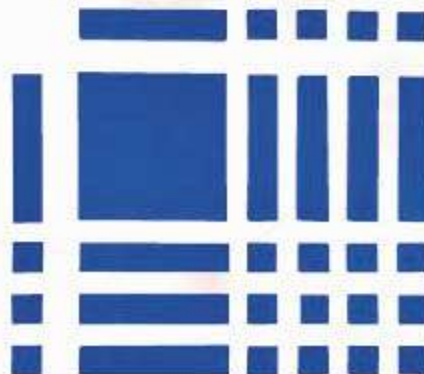
10 Pcs. 10 Pcs.

Size : 2.5cm x 2.5cm



20 Pcs. 20 Pcs.

Set of 70 Pcs.



D 6007 Magnetic Algebra tiles is used by the teachers to explore the concepts on magnetic board in a classroom such as factorising polynomials, solving linear equations, concepts of integers etc. These Algebra tiles come in the shapes of square and rectangles. Algebra tiles come with three types of tiles in two colours Red & Blue each, typically red for negative tiles and blue for positive tiles.

TRIGONOMETRY

INTRODUCTION

Trigonometry (from Greek trigōnon, "triangle" and metron, "measure") is a branch of Mathematics that studies relationships involving lengths and angles of triangles. The study of angles and of the angular relationships of planar and three-dimensional figures is known as Trigonometry. The Trigonometric functions comprising Trigonometry are the Cosecant ($\operatorname{cosec} \theta$), Cosine ($\cos \theta$), Cotangent ($\cot \theta$), Secant ($\sec \theta$), Sine ($\sin \theta$), and Tangent ($\tan \theta$). These Manipulative helps children to do and discover their ideas

Clinometer Compass TR 7000

Size : 28cm x 13cm

A clinometer is a tool that is used to measure the angle of elevation (Angle from the Ground) in a right angled triangle. This can be used to measure the height of tall things that you can't possibly reach the top of such as flag, poles, buildings, trees etc.



Theodolite Modal TR 7001

Size : 41cm x 41cm

A theodolite is an instrument for measuring both horizontal and vertical angles, as used in different types of works as triangulation, prolonging, computation of elevation and depression of distant and near. It consists of movable telescope mounted on the horizontal and vertical axes. Both the axes of the theodolite are equipped with graduated circles.



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BOARD GAMES



BOARD GAMES

INTRODUCTION

Board Games make learning fun and easy. These board games help in conceptual understanding and drilling simultaneously without making learning monotonous and bored.

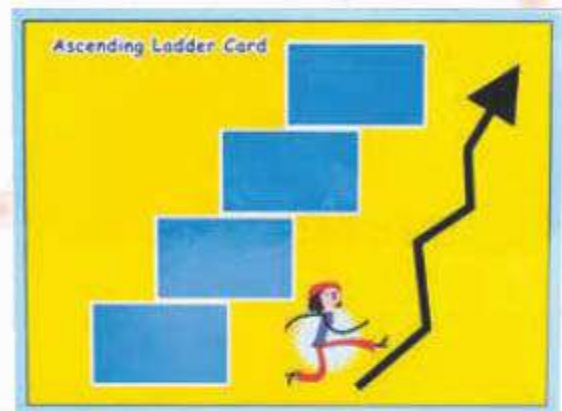
Addition and Subtraction Board BG 8000



Size : 28cm x 22cm

This board can be used with base ten blocks to explore addition and subtraction of whole numbers

Ascending Card Game BG 8002



Size : 29cm x 25cm

Using number cards along the board will allow the learner to place number cards in ascending order on the board.

Multiplication Board BG 8001



Size : 20cm x 28cm

This board is given along with foam square tiles to explore multiplication of whole numbers.

Descending Card Game BG 8003



Size : 29cm x 25cm

Using number cards along this board will allow the learner to place number cards in descending order on the board.

BOARD GAMES



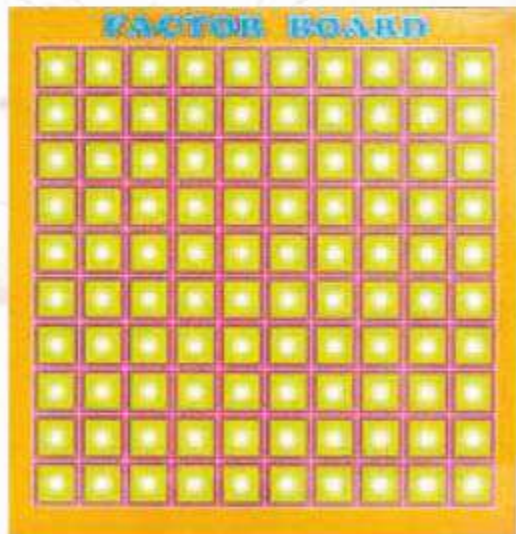
Division Board BG 8004



Size : 27cm x 27cm

This board is given along with foam square tiles to introduce the concept of division.

Factor Board BG 8005



Size : 27cm x 27cm

This board is given along with foam square tiles to explore the concept of factors.

Number Cards BG 8006



Set of 25 Cards

BG 8006 Graph Board Game These cards can be used with ascending/ descending board, with base ten blocks etc. to make concepts related to numbers fun and interesting!

Integer Board Game BG 8007

INTEGER BOARD GAME															
104	103	102	101	100	99	98	97	96	95	94	93	92	91	90	89
88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73
72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57
56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25
24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9
8	7	6	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6	-7
-8	-9	-10	-11	-12	-13	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23
-24	-25	-26	-27	-28	-29	-30	-31	-32	-33	-34	-35	-36	-37	-38	-39
-40	-41	-42	-43	-44	-45	-46	-47	-48	-49	-50	-51	-52	-53	-54	-55
-56	-57	-58	-59	-60	-61	-62	-63	-64	-65	-66	-67	-68	-69	-70	-71
-72	-73	-74	-75	-76	-77	-78	-79	-80	-81	-82	-83	-84	-85	-86	-87
-88	-89	-90	-91	-92	-93	-94	-95	-96	-97	-98	-99	-100	-101	-102	-103
-104	-103	-102	-101	-100	-99	-98	-97	-96	-95	-94	-93	-92	-91	-90	-89

Size : 31cm x 46cm

An interesting board game with dice and counters to understand the concept of addition and subtraction of integer numbers.

BOARD GAMES



Graph Board Game BG 8008

Size : 30cm x 30cm



Place Value Game with Counters BG 8010

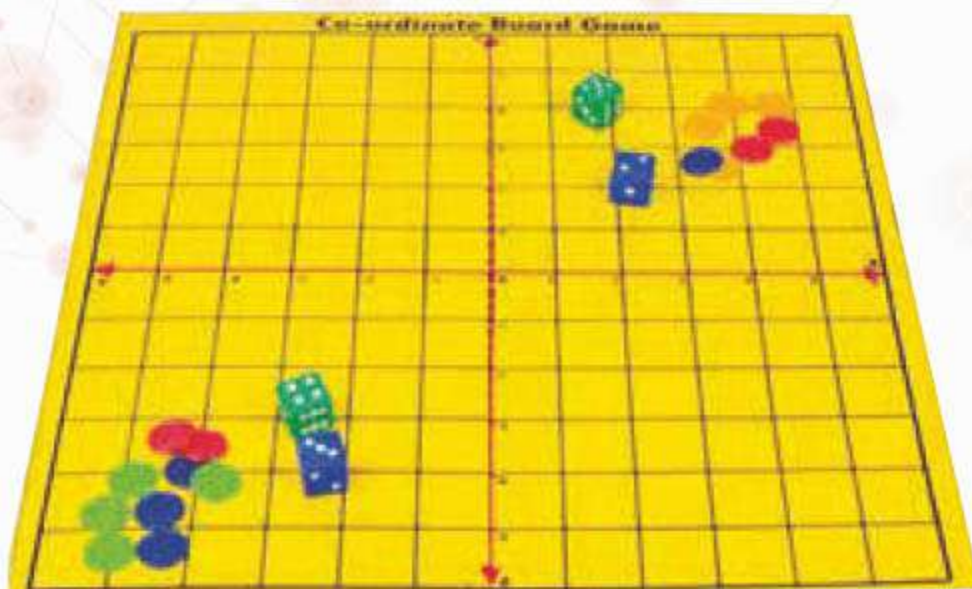


Size : 30cm x 27cm

Co-ordinate Geo Board BG 8009

This board game makes learning of coordinate geometry fun and easy! A very common task in math class is to plot and name points on a four-quadrant graph. This coordinate board game with attractive colour counters and dice will help explore the plotting of coordinates and naming their respective points.

Set includes place value mats and place value cards. Staking Counters snaps together vertically and can be stack in its appropriate place for determine the place value.



Conic Section with Standard Equation Kit

HS01

Set contains 4 X - Y Coordinate Geoboard, 1 Wooden Conic Section Model, 4 Set of cutout of Conic Section in Plastic, 400 Rubber Band and 100 Pegs, with How to use Manual.

This Manipulative is used for understanding the concept of Parabola, Hyperbola, Ellipse and Circle. Student can able to determine the Standard Equation of Circle, Parabola, Hyperbola and Ellipse with X-Y Coordinate Geoboard and Cut-out of Conic Section and also understand the concept of Focus, Directrices, Latus-Rectum Major And Minor Axis of Ellipse with help of Rubber Bands.



Set Theory By Venn Diagram Kit

HS02

Set contains 8 Pieces of Set Activity Models in Plastic in Four Colour, 3 Magnetic Circle with 2 Set of Magnetic Numbers from 0 to 9, 8 Student Activity Card in 8 Colours with "How to use Manual."

This Manipulative is used for understanding the concept of subset of a set, disjoint set, union, intersection, omplements, power set and set difference by Venn Diagram.



Probability Kit

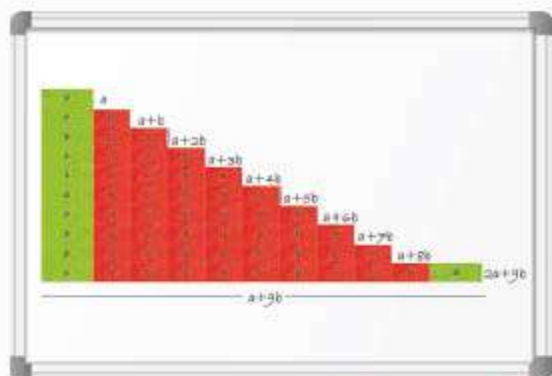
HS03

Set Contains One Wooden Probability Board, 1 Spinner, 4 Dice in 4 Different Colours, 20 Coins, Playing Cards, 4 Box (400 Pcs.) of Marbles in 4 Colours, "How to Use Manual."

The concept of probability is fun when given an opportunity to explore. This resource gives that opportunity to explore, learn and enjoy the concept of probability. It is used to understand the concept of sample space, event space, dependent event, independent event, mutually exclusive event, random probability etc. with the help of Rubber Bands.



Arithmetic Progression Kit HS04



Set Contains 56 Pieces of Magnetic Rectangular Foam Tiles and 56 Pieces of Magnetic Square Foam Tiles.

This manipulative is used for understanding the concept of first term, common difference, n th terms, and arithmetic progression series and also calculates the sum of arithmetic progression series. All Activity can be performed by Student with the help of these Tiles and "How To Use Manual" on Magnetic Board.

Pascal Triangle Kit HS05

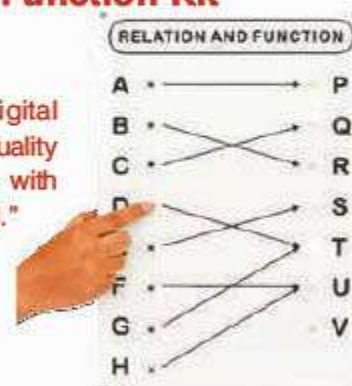


Set Contains 51 Magnetic Stick and 21 Magnetic Counter with "How to Use Manual."

This manipulative can be used to determine the coefficient of different terms of a binomial expansion.

Relation and Function Kit HS06

Set Contains 1 Digital Board with High Quality Low Bolt Switches with "How to Use Manual."

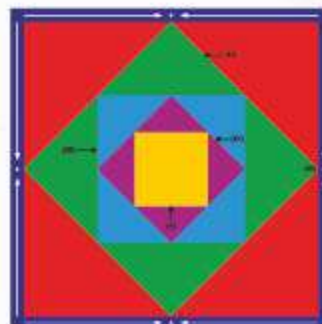


Student can understand the concept of Range, Domain, Co Domain, Relation and different type of Function like One-One Mapping, Many-One Mapping and Onto-Mapping.

Geometrical Progression Kit HS07

Size: 41cm x 41cm

This manipulative is used for understanding the concept of first term, common difference, n th terms, and Geometric Progression Series. All activity can be performed by student with the help of these foam tiles and "How to use Manual" on Magnetic Board.





Biology

- ❖ bones & skeleton models
- ❖ skeleton models
- ❖ human skulls
- ❖ build your anatomy models
- ❖ skeleton models vertebral column
- ❖ human pelvis
- ❖ joints of the body
- ❖ human torso model
- ❖ dental models
- ❖ digestive system
- ❖ e.n.t.
- ❖ eye
- ❖ heart & circulatory system
- ❖ reproductive system
- ❖ skin
- ❖ brain & nervous system
- ❖ respiratory system
- ❖ excretory system
- ❖ gynae & obstetric models
- ❖ paediatrics models
- ❖ nursing manikins
- ❖ cpr manikins & aed trainer
- ❖ medical models
- ❖ community health bag
- ❖ veterinary models
- ❖ histology and bio-molecules models
- ❖ visual teaching aids
- ❖ 2"x2" coloured 35 mm slides
- ❖ biology models



A

Adult CPR And Intubation Training Manikin Half-Body with Monitor
Adult Female Pelvis
Adult Intramuscular Injection Training Manikin
Adult Male Pelvis
Advanced Abdominal Palpation and Delivery Mechanism
Advanced Adult CPR Training Manikin
Advanced Child CPR Training Manikin with Monitor
Advanced CPR Training Manikin with Monitor and Printer
Advanced Delivery Mechanism Demonstration Simulator
Advanced Full Functional Neonatal Nursing & CPR Manikin
Advanced Gynaecological Training Simulator
Advanced Half Body CPR Training Manikin with Light
Advanced Half-Body CPR Training Manikin with Monitor
Advanced Infant CPR Training Manikin
Advanced Multi-Functional Child Nursing Manikin (Unisex)
Advanced Nursing & Wound Care Manikin (Male)
Advanced Nursing Baby
Advanced Surgical Suture Arm
Advanced Surgical Suture Leg
Advanced Trauma Evaluation Model
Advanced Trauma Manikin
Advanced Trauma Simulator
AED Trainer
AIDS Virus
Airway Intubation Model
Alimentary Canal Wall Model (complete set of 8)
Animal Cell Model
Appendix and Caecum
Arm Bones Model Life Size

B

Bacterium
Basic Combination Nursing Manikin
Blocked Artery Model
Blood Groups
Bone Microstructure
Bony Fish General Anatomy
Brain Model Deluxe 9 Parts
Brain Model Deluxe Enlarged 4 parts
Brain with Arteries
Brain with Arteries on Head
Breast Examination Model
Breast Inspection Model
Buttock Intramuscular Injection Training Model

C

Cardiac Muscle Fibre
Cervical Vertebral Column with Neck Artery
Child Birth Demonstration Model
Child IV Training Arm
Chloroplast
Circulatory System Model PVC
Community Health Bag
COMMUNITY HYGIENE
Cow Digestive System
Cow Skeleton
Cow Uterus
CPR Training Manikin Advance (Torso)
CPR Training Manikin Advance (Torso)
Cranial Nerve Skull Anatomy Model
Cutaway Osteoporosis

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D

Decubitus Ulcer Care Simulator
Dental Care Model
Dental Care Model
Dental Model Small
Desktop Skeleton 45 cm
Diabetic Foot Nursing Simulator
Dicot Seed Germination
Didactic Flexible Vertebral Column with Pelvis
Didactic Human Skull 22 Parts
Didactic Miniature Skull 15 Parts
Digestive System Model PVC
Disarticulated Skeleton
DNA Model Kit
Dog Blood Circulation
Dog Heart
Dog Liver
Dog Respiratory
Dog Skeleton
Duodenum Wall

E

Ear Model New Style Giant Size
Elbow Joint
Elbow Joint Model Flexible
Elbow Joint Section Model
Electronic Catheterization & Enema Model with monitor (Unisex)
Embryo Model
ENVIRONMENTAL SANITATION
Episiotomy Training Simulator
Eye Model on Stand
Eye with Orbit
Eyeball Anatomy Model

F

Female Breast Model
Female Breast Model Deluxe
Female Breast Model Dx. During Lactation
Female Catheterization Training Simulator
Female Contraception Practice Simulator
Female Genital Organs
Female Genital Organs Model Dissectable
Female Internal & External Genital Organs
Female Pelvic Muscles and Organs
Female Pelvis Bone Model
Female Pelvis Section Diss. PVC
Female Pelvis Small (Magnetic)
Female Urogenital System
Fertilization Process Model PVC
Fertilization Process Simulator
Fertilization Process Simulator PVC
Fetal Circulation
Fetal Development Model set of 8 Half size
Fetal Skull with • Key card / Manual provided. Moving
Mandible
Fetus with Viscera and Placenta
Foot Joint
Foot Joint Model Flexible
Foot Joint Section Model
Foot Model
Forearm Pad For Intravenous Injection
Fowl Skeleton
Full Term Fetus with Viscera and Placenta
Full-Functional Child CPR and Nursing Manikin (5 Years) with monitor
Full-Functional Elderly Nursing Manikin (Female)
Full-Functional Vein Injection Arm
Functional Proapsed Lumbar Vertebrae Model

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N

Nasal Feeding and Gastric Lavage Simulator
Nasal, Oral, Pharynx & Larynx Cavities
Neonatal Endotracheal Intubation Model
Nervous System Model PVC
Neuron
Neuron Model
New Born Baby
New Born Baby Model
New Style Newborn Baby Model
Newborn Baby Model
Normal, Flat and Arched Foot

O

Oesophagus & Stomach Junction
Oesophagus Wall
Ovary Model

P

Palm Anatomy
Peritoneal Dialysis Simulator
Prac-Baby
Prostate Inspection Model
Pulmonary Alveoli Model Magnified
Pumping Heart

R

Rabies Virus
Rectum Wall
Reflex Arc
Respiratory System Model 7 Parts PVC

S

Shoulder Joint
Shoulder Joint Model Flexible
Shoulder Joint Sec
Skeletal Muscle Fibre
Skin Acne
Skin Block Model
Skin Burn
Skin Cancer
Skin Model
Skin Model Enlarged
Skull 5 yr old Child PVC
Skull Model 3 Part PVC
Skull Model Exploded 22 Parts
Skull Model Life size Painted-Numbered PVC
Skull Model Painted with Cervical Vertebrae
Skull Model with 8 Parts Brain
Skull with Cervical Spine
Skull with Removable Lower teeth
Small Intestine all
Small Intestine all
Smooth Muscle Fibre
Spinal Column Model Half Size
Spinal Cord in the Spinal Canal
Standard Paent for external fixation Training Simulator in
first Aid of Limb Fracture
Stomach
Stomach Model
Stomach Wall
Surgical Suturing and Bandaging Simulator
Suturing Skin Pad with Stand

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Teeth Model in Oral Cavity
The Development Process of Fetus (Half Size)
The Development Process of Fetus
Thoracic Spinal Column
Thoracic Vertebrae model Life Size
Tracheotomy & Endotracheal Intubation Model
Transparent Lung, Trachea & Bronchial tree with Heart
Types of Ovules

U

Unisex Torso 23 parts 85 cm
Urinary System Model

V

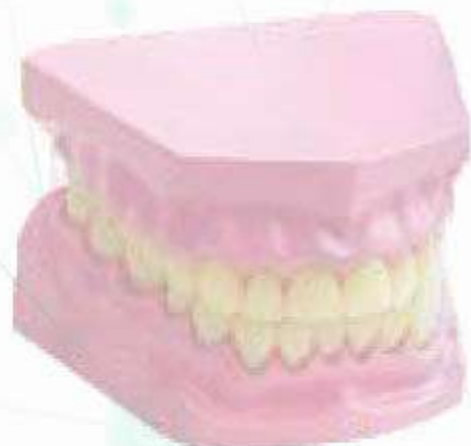
Vacuum Delivery Model
Vertebral Column Flexible Model Life Size
Vertebral Column Flexible, Didactic Painted
Vertebral Column with Femur Head, Painted
Vertebral with Pelvis & Femur Heads
Visible Expectant Mother Anatomy Kit
Vulva Suturing Training Simulator

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BONES & SKELETON MODELS

SKELETON MODELS



Human Skeleton Male Life Size Articulated

ZX-S101

- ❖ Life size
- ❖ Made of PVC
- ❖ Bonnet can be removed, Mandible is movable, Teeth are separately installed & all skull foramens, fissures, processes are well depicted.
- ❖ Cervical artery, nerves, prolapsed (herniated) disk & hyoid bone shown.
- ❖ Coccyx separately mounted.
- ❖ Sacral canal clearly depicted. Upper limbs & lower limbs can be removed easily.
- ❖ Washable & Unbreakable.
- ❖ Mounted on stand with rollers.
- ❖ Key card / Manual provided.



Human Skeleton Female Life Size Articulated

ZX-S101F

- ❖ "Same as ZX-S101" but female



Human Skeleton with Muscle Insertion & Ligaments with Flexible Spine

ZX-S101

- ❖ Life size
- ❖ Made of PVC Natural cast of a male adult skeleton made.
- ❖ Demonstration Of an tornically accurate natural movements
- ❖ The articular li aments of the joints are shown on right side.
- ❖ The points of origin (Red) and attachment (Blue) of the most important muscles from head to foot are marked in colour on the left side.
- ❖ Cervical artery, nerves, prolapsed (herniated) disk & hyoid bone shown.
- ❖ Coccyx separately mounted.
- ❖ Sacral canal clearly depicted.
- ❖ Mounted on stand with rollers.
- ❖ 167 features marked.
- ❖ Key card / Manual provided.

BONES & SKELETON MODELS



Human Skeleton

XC-101

- ❖ Life size.
- ❖ Made of PVC plastic.
- ❖ Removable arms and legs.
- ❖ Features nerve branches, herniated lumbar disc and vertebral artery.
- ❖ Skull includes movable jaw, cut calvarium, suture lines and three removable lower teeth.
- ❖ Mounted on a sturdy base.
- ❖ Washable & Unbreakable
- ❖ Ideal for teaching the basics of human anatomy.

Human Skeleton With Muscles & Ligaments

XC-101A

- ❖ Life size
- ❖ With muscles marking & ligaments
- ❖ On pelvic mounted stand with base.
- ❖ The skeleton allows you to demonstrate the hand painted muscles origins & flexible joints ligaments.
- ❖ This skeleton is made of durable plastic.
- ❖ Skull includes movable jaw, cut calvarium, suture lines & three removable lower teeth.
- ❖ Washable & Unbreakable
- ❖ Ideal for teaching the basics of human anatomy.



XC-101A

ZX-S130



Human Skeleton Disarticulated with Intervertebral Discs

ZX-S130

- ❖ Life size
- ❖ Made of PVC
- ❖ Complete set of 201 pcs.
- ❖ Ideal for study Of individual bones, as well as identification practioners students.
- ❖ Skull bonnet can be removed, Mandible is movable & all skull foramens, fissures, processes are well depicted.
- ❖ Teeth are separately installed, same as real one, in ceramic white color.
- ❖ Right hand and foot are articulated.
- ❖ All intervertebral discs provided.
- ❖ Hyoid bone, separate coccyx provided.
- ❖ Sacral canal clearly depicted.
- ❖ Instructional chart included.
- ❖ Key card / Manual provided.

Desktop Skeleton 45 cm

ZX-S103

- ❖ 45 cm
- ❖ Made of PVC
- ❖ Features three part skull, bonnet can be removed, Mandible is movable & skull foramens, fissures, processes are well depicted. Vertebral column is fixed.
- ❖ Flexible arms and legs allow for realistic movement.
- ❖ Mounted on stand
- ❖ Key card / Manual provided.

Human Skeleton Disarticulated Unilateral

ZX-S130H

- ❖ Life size
- ❖ Made of PVC
- ❖ Same as Z*-ST30U but unilateral
- ❖ This half skeleton includes on & disarticulated hand, one disarticulated foot, one Side Of the ribs, one arm, one shoulder, one leg, a half pelvis, hyoid bone, sacrum, coccyx, and 3 part skull.
- ❖ Key card / Manual provided.



ZX-S130H



ZX-S103

BONES & SKELETON MODELS



Disarticulated Skeleton

XC-130

- ❖ This life size disarticulated skeleton will encourage students to learn the various bones of an Adult Human.
- ❖ It is a visual aid for instructions of anatomy to students, doctors, nurses or anyone interested in human skeleton.
- ❖ Set of 177 pcs.



XC-130

Mini Skeleton

Sk046

- ❖ Real life Model
- ❖ Detachable joints
- ❖ Durable Parts
- ❖ ABS Stand
- ❖ Size: 46 cm (18")



Sk046

Human Skeleton Model 85 cm Numbered

ZX-S102PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Demonstration of anatomically accurate natural movements.
- ❖ The points of origin (Red) and attachment (Blue) of the most important muscles from head to foot are marked in colour on the right side.
- ❖ Mounted on stand.
- ❖ 49 features marked.
- ❖ Key card / Manual provided.



ZX-S102PN

BONES & SKELETON MODELS



Leg Bones Model Life Size

ZX-1210

- ❖ Life size
- ❖ Made of PVC
- ❖ Accurate representation of the joints of leg
- ❖ Great detail of the bony structures of the human leg.
- ❖ It is able to demonstrate flexibility in the knee and ankle with limited flexibility in the foot. Also includes a half hip bone, femur, tibia, fibula and all foot bones.
- ❖ Each bone is separately mold and articulated.
- ❖ Key card / Manual provided.

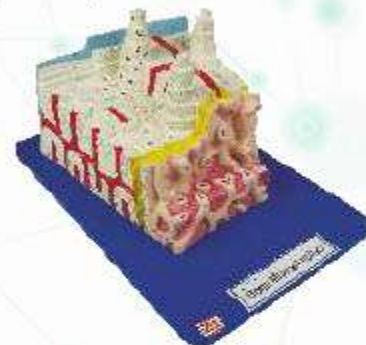


ZX-1210

Bone Microstructure

ZX-1601

- ❖ Made of HSP resin
- ❖ 30x20x16 cm
- ❖ 3-D section of a lamellar bone.
- ❖ It helps to understand the typical elements of a lamellar bone along with the Volkmann & Haversian system, spongy & compact parts, endosteum, cortical substance & osteocytes.
- ❖ Model shown various planes in cross and longitudinal section.
- ❖ 19 features marked.
- ❖ Key card / Manual provided.



ZX-1601

Human Skeleton

XC-102B

- ❖ Size 85 cm Medium.
- ❖ Made of PVC plastic.
- ❖ Shows nerves and blood vessels.
- ❖ Depicts the position, course and distribution of main arteries and peripheral nerves
- ❖ Can be employed as a visual aid in the instruction of anatomy to students of medicine.



XC-102B

Arm Bones Model Life Size

ZX-1211

- ❖ • Life size
- ❖ Made of PVC
- ❖ Accurate representation of the joints of arm.
- ❖ Realistic upper limb bone model, including clavicle, scapula, humerus, ulna, radius and hand bone (8 carpal, 5 metacarpal & 14 phalanges)
- ❖ Each bone is separately mold and articulated.
- ❖ Key card / Manual provided.



ZX-1211

BONES & SKELETON MODELS



HUMAN SKULLS

Skull Model 3 Part PVC

ZX-S104

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 3 parts
- ❖ Bonnet can be removed, Mandible is movable & all skull foramens, fissures, processes are well depicted
- ❖ Teeth are separately installed, same as real one, in ceramic white color.
- ❖ Key card / Manual provided.



Skull Model Painted with Cervical Vertebrae

ZX-S135P

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 3 parts
- ❖ It shows cervical vertebrae, cervical nerves, vertebral arteries, basilar artery.
- ❖ All of the joints, sutures, fissures, foramina and processes are portrayed with utmost accuracy.
- ❖ All the bones are depicted in different colours.
- ❖ Bonnet can be removed, Mandible is movable, Teeth are separately installed.
- ❖ Mounted on a stand with plastic base.
- ❖ Key card / Manual provided



ZX-S135P

Skull with Removable Lower teeth

ZX-1200

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectible into 4 parts for effective demonstration.
- ❖ This high quality classic skull with 16 teeth for extraction is medically detailed in structure. The teeth of the lower jaw can be individually extracted and replaced, and have fully formed roots for detailed examination. The model has a bone flap on its right mandible for viewing the dental roots, spongiosa, nerve canal, and an impacted wisdom tooth. The calvaria is removable to show the internal structure of the skull. The mandible is articulated and removable. All of the joints, sutures, fissures, foramen, and styloid processes are highly accurate.
- ❖ It is a perfect tool for anatomical and dental study.
- ❖ Key card / Manual provided.



ZX-1200

Life Size Skull

XC-104

- ❖ This economical life-size adult plastic skull features a moveable jaw, cut calvarium, suture lines and 3 removable lower teeth-incisor, cuspid and molar.
- ❖ Dissectable into 3 parts.



XC-104

BONES & SKELETON MODELS



Skull with Cervical Spine XC-135

- ❖ Life size model of human skull on cervical spine.
- ❖ Cervical spine is shown with seven cervical vertebrae with intervertebral discs, cervical nerves, vertebral arteries, basilar artery and rear cerebral arteries.
- ❖ Skull is dissectible into 3 parts with moveable jaw, cut calvarium.



Didactic Human Skull 22 Parts ZX-1208P



- ❖ Life size
- ❖ Made of PVC
- ❖ Consists of 22 parts.
- ❖ Suture of each bone is equipped with magnets to assemble easily. All the bones are depicted in different colours, making this model a useful tool to study the correct position and the relationship of all the structures.
- ❖ The 22 bones are depicted in 10 different didactic colors. Each pair of bone plates has the same color.
- ❖ Key card / Manual provided.

Human Skull Model Dx.

ZX-1202

- ❖ Made of high grade synthetic polymer having long durability.
- ❖ Size: Natural size.
- ❖ Dissectible into 3 parts with moveable jaw, cut calvarium.
- ❖ Well illustrated and informative.
- ❖ Model is accurately made from actual specimen references, photographs and encyclopedia reference under expert guidance.
- ❖ Model is delivered with key card.



Skull Model Life size Painted-Numbered PVC ZX-1202PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectible in 3 parts
- ❖ Muscle insertions and origins painted in blue and red respectively.
- ❖ Bonnet can be removed, Mandible is movable & all skull foramens, fissures, processes are well depicted
- ❖ Teeth are separately installed, same as real one, in ceramic white color.
- ❖ 48 features marked.
- ❖ Key card / Manual provided.



Human Skull Model with Brain Numbered ZX-1213PN



- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectible in 3 parts and brain in 8 parts.
- ❖ Brain model sits nicely inside the skull, and can also be removed. The brain comes apart into the following pieces: Frontal and parietal lobes (2 parts), temporal and occipital lobes (2 parts), brain stem (2 parts), and cerebellum (2 parts). Both the brain and skull are held together with magnets and small pegs.
- ❖ Bonnet can be removed, Mandible is movable, Teeth are separately installed & all skull foramens, fissures, processes are well depicted.
- ❖ 32 features marked.
- ❖ Key card / Manual provided.

BONES & SKELETON MODELS



Skull Model Exploded 22 Parts ZX-1205

- ❖ Life size
- ❖ Made of PVC
- ❖ Skull bones are mounted on pivoting spokes
- ❖ Each naturally colored and anatomically correct part features realistic texture & bony marks
- ❖ Semi-adjustable parts
- ❖ Key card / Manual provided.



Life Size Coloured Skull XC-104C



- ❖ This is advanced model of XC-104 life-size skull, bones painted in different colors for precise study.
- ❖ Can be disassembled into 3 parts.

Skull Model with 8 Parts Brain XC-104E



- ❖ Includes 8 parts brain : frontal and parietal lobe, temporal and occipital lobe, encephalic trunk and cerebellum.

Miniature Skull Model PVC ZX-1204



- ❖ 6.5x11x7.5 cm
- ❖ Made of PVC
- ❖ Dissectable in 3 parts
- ❖ Bonnet can be removed, Mandible is movable. The foramen & fossa are present.
- ❖ Key card / Manual provided.

Skull 5 yr old Child PVC ZX-1207



- ❖ Life size
- ❖ Made of PVC
- ❖ Bonnet can be removed, Mandible is movable & all skull foramina, fissures, processes are well depicted.
- ❖ Teeth are separately installed, same as real one, in ceramic white color.
- ❖ Key card / Manual provided.

Fetal Skull with • Key card / Manual provided. Moving Mandible

ZX-1206



- ❖ Life size
- ❖ Made of PVC
- ❖ Skull shows prenatal development characteristics during 30th week of pregnancy
- ❖ Fontanelles are visible and clear
- ❖ Mandible is movable
- ❖ Key card / Manual provided.

BONES & SKELETON MODELS

BUILD YOUR ANATOMY MODELS



Didactic Miniature Skull 15 Pbrts ZX-1209P



- ❖ 10x9x13 cm
- ❖ Made of PVC
- ❖ Consists of 15 parts.
- ❖ Suture of each bone is equipped with magnets to assemble easily. All the bones are depicted in different colours, making this model a useful tool to study the correct position and the relationship of all the structures.
- ❖ Key card/ Manual provided.

Eyeball Anatomy Model Sk007



- ❖ Size 14 cm
- ❖ 35 pieces set.

Heart Anatomy Model Sk009



- ❖ Size 14 cm
- ❖ 31 pieces set.

Human Fetal Skull ZX-1201



- ❖ Life size
- ❖ Made of HSP resin
- ❖ Movable lower jaw.
- ❖ Showing incomplete ossification of skull bones, fontanelles, frontal and parietal eminences, various skull bones like occipital, temporal, sphenoid, frontal, mandible & maxilla.
- ❖ 41 features marked.
- ❖ Key card/ Manual provided.

Cranial Nerve Skull Anatomy Model Sk010



- ❖ Size 9 cm
- ❖ 39 pieces set.

Infant Skull GD/A11115

- ❖ Material: Advanced PVC.



BONES & SKELETON MODELS

SKELETON MODELS VERTEBRAL COLUMN



Vertebral Column Flexible Model Life Size ZX-S126

- ❖ Life size
- ❖ Made of PVC
- ❖ Fully flexible
- ❖ It consists of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx and complete pelvis
- ❖ Features include representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc.
- ❖ Mounted on stand.
- ❖ Key card/ Manual provided.



ZX-S126

Vertebral Column Flexible, Didactic Painted ZX-S105P

- ❖ Life size
- ❖ Made of PVC
- ❖ Fully flexible
- ❖ The various regions of the vertebral column are color coded for ease of identification
- ❖ It consists of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis
- ❖ Features include representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc
- ❖ Mounted on stand
- ❖ Key card / Manual provided.

ZX-S105P



Vertebral Column with Femur Head, Painted ZX-S126P

- ❖ Life size
- ❖ Made of PVC
- ❖ Fully flexible
- ❖ It consists of the occipital plate, cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis with symphysis and removable femur heads.
- ❖ Features include representations of the vertebral arteries, spinal nerve branches and a prolapsed L3-L4 intervertebral disc.
- ❖ One side of model shows the points of origin (red) and the points of insertion (blue) of the muscles.
- ❖ Mounted on stand
- ❖ Key card/ Manual provided.



ZX-S126P

Vertebral with Pelvis & Femur Heads

XC-126

- ❖ Lifesize model.
- ❖ Shows all significant features of each vertebra, including spinal cord, nerve roots, the vertebral artery, a herniated disc and vertebral notch etc.
- ❖ Ideal teaching model for students, orthopedic surgeons and other medical professionals.
- ❖ Special features: inflexible 72cm tall vertebral column complete with pelvis, femur heads, sacrum, occipital bone, vertebral artery, all nerve branches and herniated lumbar disc.
- ❖ Deluxe chrome stands 85 cm high.



Didactic Flexible Vertebral Column with Pelvis

XC-105C

- ❖ This model has a fully flexible spine throughout and features different sections of the spinal column in different color: cervical vertebrae, thoracic vertebrae, lumbar vertebrae, sacrum and the coccyx.

Spinal Column Model Half Size

ZX-1223

- ❖ Half size
- ❖ Made of PVC
- ❖ Fully flexible
- ❖ Consists of the cervical, thoracic and lumbar vertebrae, sacrum, coccyx, complete pelvis and femur heads.
- ❖ Features include representations of the spinal nerve branches and a prolapsed L3-L4 intervertebral disc.
- ❖ Mounted on stand
- ❖ Key card / Manual provided.



BONES & SKELETON MODELS



Cutaway Osteoporosis

XC-134

- ❖ Consist of 3 medially divided lumbar vertebrae with intervertebral discs. For comparison, the upper section shows healthy bone structure. The middle section shows osteoporotic bone structure and the lower section shows advanced osteoporotic bone structure with flattened plates, deformation and decreased mass.



Lumbar Vertebrae with Sacrum Bone

ZX-S119

- ❖ Life size
- ❖ Made of PVC
- ❖ Mounted on a stand
- ❖ The shape is vivid, and the texture is clear and delicate. Anatomical details such as various bulges, bone sutures, and sulcus vascular indentations are expressed.
- ❖ Key card / Manual provided.

Lumbar Vertebrae Degeneration Modell

ZX-1505

- ❖ Made of PVC
- ❖ 35x23x19 cm
- ❖ Lumbar spine lesion demonstration model showing one pair of normal lumbar vertebrae, one vertebra set with bulging herniated disc, one vertebrae set with bone/disc degeneration and one vertebrae set showing advanced osteoporosis with bone compression and bone spurs.
- ❖ Key card / Manual provided.



Functioning Prolapsed Lumbar Vertebrae Model

ZX-1504

- ❖ Life size
- ❖ Made of PVC
- ❖ It demonstrates the damage mechanism of lumbar disc herniation.
- ❖ It demonstrates how the intervertebral disc is dislodged when bending the vertebrae and reproduces what happens to the human vertebrae when bending or twisting the body in real life.
- ❖ The String around the blood ball is made manually which is firm and durable.
- ❖ This model consists of two vertebrae with a flexible disc, spinal cord and nerves.
- ❖ Key card / Manual provided.

BONES & SKELETON MODELS



Lumbar Set

XC-118

- ❖ Life-size lumbar vertebrae are shown with normal intervertebral disc and spinal cord with nerve roots. On stand.



Lumbar Vertebrae with Sacrum Bone

XC-119

- ❖ Consist of the 5 lumbar vertebrae with intervertebral discs, sacrum with flap, coccyx, spinal nerves and dura mater of spinal cord. On stand.



Life-Size Pelvis with 5 pcs Lumbar Vertebrae

XC-115

- ❖ Consist of hip bone, sacrum with coccyx & 5 lumbar vertebrae. On stand.



Cervical Vertebral Column with Neck Artery

XC-133

- ❖ Consisted of occipital plate, the 7 cervical vertebrae with intervertebral discs, cervical nerves, vertebral arteries and spinal cord. On stand.



Thoracic Vertebrae model Life Size

ZX-S120

- ❖ Life size
- ❖ Made of PVC
- ❖ This model consists of the 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord.
- ❖ In this model, true thoracic skeletal shape is restored, the shape is vivid, and the texture is clear and delicate. Anatomical details such as various bulges, bone sutures, and sulcus vascular indentations are expressed.
- ❖ Mounted on stand.
- ❖ The model is flexible just like original vertebrae.
- ❖ Key card / Manual provided.



Thoracic Spinal Column

XC-120

- ❖ This model consists of the 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord on stand.



BONES & SKELETON MODELS



Lumbar Set

XC-118

- ❖ Life-size lumbar vertebrae are shown with normal intervertebral disc and spinal cord with nerve roots. On stand.



Lumbar Vertebrae with Sacrum Bone

XC-119

- ❖ Consist of the 5 lumbar vertebrae with intervertebral discs, sacrum with flap, coccyx, spinal nerves and dura mater of spinal cord. On stand.



Life-Size Pelvis with 5 pcs Lumbar Vertebrae

XC-115

- ❖ Consist of hip bone, sacrum with coccyx & 5 lumbar vertebrae. On stand.



Cervical Vertebral Column with Neck Artery

XC-133

- ❖ Consisted of occipital plate, the 7 cervical vertebrae with intervertebral discs, cervical nerves, vertebral arteries and spinal cord. On stand.



Thoracic Vertebrae model Life Size

ZX-S120

- ❖ Life size
- ❖ Made of PVC
- ❖ This model consists of the 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord.
- ❖ In this model, true thoracic skeletal shape is restored, the shape is vivid, and the texture is clear and delicate. Anatomical details such as various bulges, bone sutures, and sulcus vascular indentations are expressed.
- ❖ Mounted on stand.
- ❖ The model is flexible just like original vertebrae.
- ❖ Key card / Manual provided.



Thoracic Spinal Column

XC-120

- ❖ This model consists of the 12 thoracic vertebrae with intervertebral discs, thoracic nerves and spinal cord on stand.



BONES & SKELETON MODELS



JOINTS OF THE BODY

Shoulder Joint Model Flexible

ZX-S109

- ❖ Life size
- ❖ Made of PVC
- ❖ Show shoulder joint abduction, adduction, forward tilt, backward tilt and inward/outward rotation.
- ❖ It is constructed with flexible plastic ligaments.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Hip Joint Model Flexible

ZX-S110

- ❖ Life size
- ❖ Made of PVC
- ❖ Accurate representation of the hip joint and its ligaments.
- ❖ It is constructed with flexible plastic ligaments.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Knee Joint Model Flexible

ZX-S111

- ❖ Life size
- ❖ Made of PVC
- ❖ Model represents a functional model of knee joint with lateral ligaments, meniscus and patellar ligament.
- ❖ It is constructed with flexible plastic ligaments.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Elbow Joint Model Flexible

ZX-S112

- ❖ Life size
- ❖ Made of PVC
- ❖ It consists of lower part of humerus bone and upper part of radius and ulna bones.
- ❖ It is constructed with flexible plastic ligaments.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Foot Joint Model Flexible

ZX-S113A

- ❖ Life size
- ❖ Made of PVC
- ❖ Accurate representation of the foot joint and its ligaments
- ❖ It is constructed with flexible plastic ligaments
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Shoulder Joint

XC-109

- ❖ Size: 16 x 12.5 x 20 cm. Life size.
- ❖ Ball and socket joint.
- ❖ To illustrate abduction, adduction, anteversion, retroversion and internal/ external rotation.
- ❖ Includes flexible artificial ligaments.



Hip Joint

XC-110

- ❖ Life size, on stand.
- ❖ Ball and socket joint
- ❖ Demonstrates anteversion, retroversion, abduction & internal/external rotation. Includes flexible, artificial ligaments.



Knee Joint

XC-111

- ❖ Size: 12.5 x 12.5 x 32 cm.
- ❖ Hinge joint.
- ❖ Life size, on stand.
- ❖ Demonstrates flexion, extension, and internal/ external rotation. Includes flexible, artificial ligaments.



Elbow Joint

XC-112

- ❖ Size: 12.5 x 12.5 x 32 cm.
- ❖ Hinge joint.
- ❖ Life size, on stand
- ❖ Demonstrates flexion, extension, and internal/ external rotation of the radius.
- ❖ Includes flexible, artificial ligaments.



BONES & SKELETON MODELS



Life-Size Foot Joint with Ligaments

XC-113A

- ❖ Demonstrate all of foot functionality and the external anatomical structures. Including flexible, artificial ligaments.
- ❖ Made of PVC plastic.
- ❖ Natural size.



Foot Model

ZX-1203E



Hand Joint Model Flexible

ZX-S114A

- ❖ Lifesize
- ❖ Made of PVC
- ❖ All joints are movable according to real human flexibility, with radius and ulna.
- ❖ It is constructed with flexible plastic ligaments
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



- ❖ Life size
- ❖ Made of HSP resin
- ❖ Model shows significant structures of the foot such as muscles, bones and ligaments
- ❖ 31 features marked.
- ❖ Key card / Manual provided.

Foot Joint

XC-113

- ❖ Made of PVC.
- ❖ Hinge joint.
- ❖ Gliding joint.
- ❖ Natural size.



Palm Anatomy

XC-325

- ❖ These life size models show the superficial and internal structures of the palm. Set of 4 Models.



Hand Joint

XC-114

- ❖ Made of PVC plastic.
- ❖ Hinge joint.
- ❖ Saddle joint.
- ❖ Condylod joint
- ❖ Natural size.



Life-Size Hand Joint with Ligaments

XC-114A

- ❖ Demonstrate all of hand functionality the external anatomical structures.
- ❖ Including flexible, artificial ligaments.
- ❖ Made of PVC plastic.
- ❖ Natural size.



Normal, Flat and Arched Foot

XC-326

- ❖ This model shows the anatomical structure and the distal end of tibia of normal, flat and arched foot. Set of 3 models.



BONES & SKELETON MODELS



Muscular Shoulder Joint Model

ZX-1212P

- ❖ Life size
- ❖ Made of PVC
- ❖ Model is a realistic replica of a right shoulder joint muscles and ligaments.
- ❖ Model Features a semi-articulating right rotator cuff with an encapsulated humerus that can be removed from the capsular ligament. This allows demonstration of the rotator cuffs role in both fixing the humerus in the glenoid cavity and depressing it during elevation.
- ❖ Model includes eight ligaments and tendons, four bones (acromion, clavicle, humerus and scapula), and five muscles (infraspinatus, teres minor, teres major, subscapularis and supraspinatus) of the shoulder.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Shoulder Joint Sec

ZX-1214P

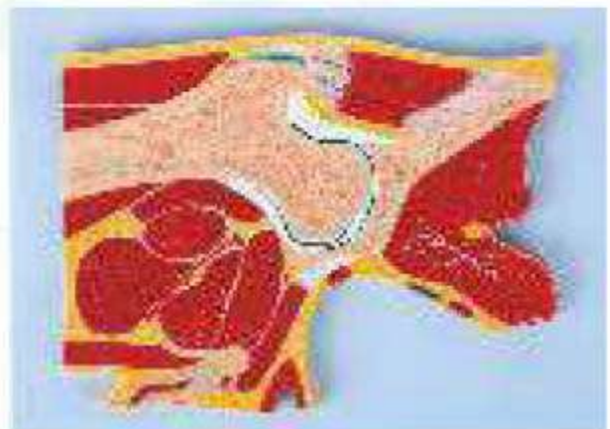
- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of a human right shoulder.
- ❖ Textures of the spongy and compact bone material, directional striations of the muscle, smooth ribbing of nerve bundles and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the scapula, clavical, humerus and 1st-5th ribs, lateral cord, axillary artery, articular cartilage, deltoid, bicep, ligaments, fat, arteries, veins and dermis presented in one convenient model.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



Hip joint Section Model

ZX-1215P

- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of a human right hip.
- ❖ Textures of the spongy and compact bone material, directional striations of the muscle, and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the bones, cartilage, muscles, tendons and dermis presented in one convenient model.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.



BONES & SKELETON MODELS



Knee Joint Section Model

ZX-1216P

- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of sagittal section of human knee joint.
- ❖ Textures of the spongy and compact bone material, directional striations of the muscle, and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the muscles, bones (including Femur, Tibia, and Patella), vasculature, ligaments, tendons and dermis presented in one convenient model.
- ❖ Key card / Manual provided.
- ❖ Mounted on a plastic base.



Elbow Joint Section Model

ZX-1217P

- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of a human elbow.
- ❖ Textures of the spongy bone material, directional striations of the muscle, and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the humerus, radius, ulna, muscles and dermis presented in one convenient model.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.

Foot Joint Section Model

ZX-1218P

- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of a human right foot/ankle.
- ❖ Textures of the spongy bone material, directional striations of the muscle, and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the bones, cartilage, muscles, ligaments, vasculature, nerves and dermis presented in one convenient model.
- ❖ Key card / Manual provided.
- ❖ Mounted on a plastic base.



Hand Joint Section Model

ZX-1219P

- ❖ Life size
- ❖ Made of PVC
- ❖ Cross section of human right hand/wrist.
- ❖ Textures of the spongy bone material, directional striations of the muscle, and the smooth lumpy fat areas can be felt over in great detail with this relief model.
- ❖ This cross section clearly shows the bones, cartilage, muscles, tendons and dermis presented in one convenient model.
- ❖ Mounted on a plastic base.
- ❖ Key card / Manual provided.

HUMAN TORSO MODEL



HUMAN TORSO MODEL

Human Torso Deluxe 85 cm. 27 Parts 2-in-1

ZX-1101PN



- ❖ 85 cm
- ❖ Made of PVC
- ❖ Dissectable in 27 parts.
- ❖ 2-in-1 with removable interchangeable male and female genitalia
- ❖ The mouth cavity and nasal cavity is open to show the inlet of digestive and respiratory system.
- ❖ The head is open so that the cerebrum with cerebellum can be taken out for close observation.
- ❖ With the removable male and female reproductive organ, and removable half kidney, the whole urinary system and reproductive system are well depicted
- ❖ The lung can be completely removed, and the important structures on the inner wall of thoracic cavity like sympathetic column, azygos vein, hemiazygos vein, thoracic duct are well shown.
- ❖ It is most characterized by its open neck & back, which provide a full view of the nervous system, the brain & the whole spinal cord.
- ❖ The 12th thoracic vertebra can be taken out for close observation of vertebrae, spinal cord, spinal nerves and 3 layers of meninges.
- ❖ Key card/ Manual provided.

Muscular Human Body 78 cm, 27 parts

ZX-1222PN



- ❖ 78 cm
- ❖ Made of PVC
- ❖ Dissectable in 27 parts
- ❖ It has removable arms, a removable calvarium with two-part brain, and a removable chest plate
- ❖ Detachable muscles include: Deltoid, Brachioradialis with extensor carpi radialis longus and brevis, Biceps Brachii, Pronator teres with palmaris longus and flexor carpi radialis, Sartorius Muscle, Rectus Femoris, Extensor Digitorum Longus, Tensor Faciae Latae, Gluteus Maximus, Biceps Femoris, Semitendinosus, Gastrocnemius, and Soleus.
- ❖ Removable organs include: Brain (2 parts), lungs (2 parts), heart (2 parts), liver, intestines, and stomach.
- ❖ Features marked: 72 in head & neck region, 32 in body wall region, 44 in thoracic viscera region, 72 in abdominal & pelvic viscera, 53 in upper limb region, 74 in lower limb.
- ❖ Mounted on stand with base.
- ❖ Key card/ Manual provided.

HUMAN TORSO MODEL



Unisex Torso 23 parts 85 cm

XC-204

- ❖ Size: 33.5" tall (85cm), Made of PVC plastic.
- ❖ Features an exposed spine with removable vertebra and spinal cord segments.
- ❖ Interchangeable male and female genitalia.
- ❖ The female organs include a fetus in the womb.
- ❖ Dissectible into 23 parts: torso, female breast plate, head, eyeball, brain, vertebra spinal nerves, lung (2 parts), heart (2 parts), liver, kidney, stomach (2 parts), intestines (4 parts), male genitalia (2 parts), female genitalia with fetus (3 parts).
- ❖ Mounted on a plastic base.



Human Torso

Mk050

- ❖ Hand Painted in Vivid & Natural Colours • 50 cm High.
- ❖ 11 Dissectible Parts
- ❖ ABS Base
- ❖ Fully Illustrated Colour Instruction Manual.



Human Torso Small (23 parts)

ZX-1100E

- ❖ 46 x 24 x 12.5 cm.
- ❖ Interchangeable male & female genitalia.
- ❖ Mounted on a base.
- ❖ 74 features marked.
- ❖ Key card / Manual provided.



Visible Expectant Mother Anatomy Kit

Mk064

- ❖ Size: 55 cm.
- ❖ Dissectable in 48 pieces. Detailed instruction manual included.
- ❖ This visible anatomy model realistically shows the important parts of human body. Learn how body works by taking the model apart and see how the different organs work together to keep us alive and healthy.
- ❖ Everything in a body is there for a reason. From skin to heart to fingerprints. Some of the body parts are organs, like stomach, brain or heart. They do specific things to keep human alive.
- ❖ To explore the model, open it by removing the front outer plastic "skin". Next remove the front of the rib cage. Now you can remove the organs one at a time. Notice how the organs connect to each other and fit in the body. After you have taken all the organs out, follow the illustrations to put your model back together.

Mk064



HUMAN TORSO MODEL



Male Muscle Figure 78 cm

GD/A/11301/1

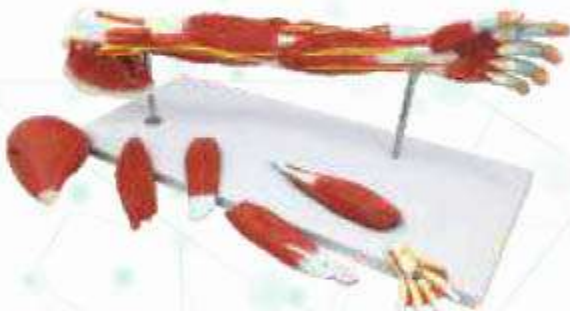
- ❖ This model consists of 27 parts, such as muscles of chest wall and abdomen, muscles of upper and lower limbs, skull, brain and viscus.
- ❖ It shows the structure of head, neck, torso, upper and lower limbs, muscles, muscular tendon, ligaments, viscus, blood vessels, brain etc.
- ❖ Material: Advance PVC



Muscular Arm Model 7 parts

ZX-1221PN

- ❖ Life size
- ❖ Made of PVC
- ❖ The model offers 6 detachable pieces:
 - Deltoid muscle
 - Biceps brachii
 - Brachioradialis with extensor carpi radialis longus and brevis
 - Pronator teres with palmaris longus and flexor carpi radialis
 - Extensors digitorum, digiti minimi, and carpi ulnaris
 - Superficial palmar arch
- ❖ 79 features marked.
- ❖ Key card / Manual provided.



Muscles of Arm with Main Vessels and Nerves

GD/A11305

- ❖ Features:
- ❖ The model shows the network of blood vessels and nerves in the right arm, short and long extensor muscle of the radial wrist with branchioradial muscle, round pronator muscle, superficial flexor muscle of the fingers.
- ❖ Separated into 6 parts and 87 positions displayed.



HUMAN TORSO MODEL



Muscular Leg Model 13 parts

ZX-1220PN

- ❖ Made of PVC
- ❖ Life size
- ❖ This includes arteries, nerves, veins, and bones, as well as the 12 removable muscles of the model. Removable muscles represented are: Gluteus maximus, Biceps femoris, Semitendinosus, Gracilis, Sartorius, Rectus femoris, Adductor longus, Tensor fasciae latae, Extensor digitorum longus, Flexor digitorum brevis, Gastrocnemius & Soleus.
- ❖ 119 features marked.
- ❖ Key card/ Manual provided.



Muscles of Arm with Main Vessels and Nerves

GD/A11305

- ❖ Features:
- ❖ The model shows the network of blood vessels and nerves in the right arm, short and long extensor muscle of the radial wrist with branchioradial muscle, round pronator muscle, superficial flexor muscle of the fingers.
- ❖ Separated into 6 parts and 87 positions displayed.



Muscles of Leg with main Vessels and Nerves

GD/A11308

- ❖ The standing model shows the most important blood vessels and nerves in the left leg, greatest gluteal muscle, tensor muscle of the broad fascia, sartorius muscle, straight muscle of the femur, semi-membranous muscle, semitendinous muscle, biceps muscle of the femur digitorum longus muscle, triceps muscle of the calf.
- ❖ Separated into 10 parts and 82 positions are displayed.



Head and Neck with Muscles, Vessels, Nerves and Brain

ZX-1429PN

- ❖ Size : 34 x 37 x 20.5 cm
- ❖ Dissectable in 19 parts
- ❖ Made of PVC
- ❖ It consists of the median sagittal section of the head and neck, cranial vertebrae, brain, eye, left half of the sternocleidomastoid, deltoid, pectoralis major, cranial top, skull base, cerebral hemisphere, diencephalon, cerebellum, brain stem, cranial nerves and cerebral vessels.
- ❖ 178+22 features marked.
- ❖ Key card / Manual provided.

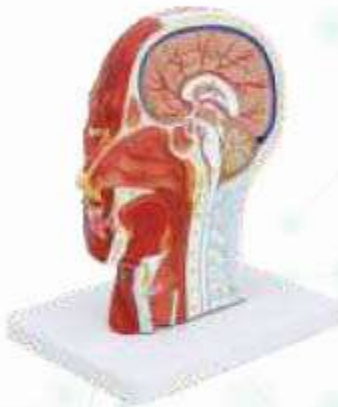
HUMAN TORSO MODEL



Head and Neck with Blood Vessels, Nerves and Brain

GD/A18212

- ❖ Separated into 19 parts such as: Mimic muscular system with the deep-set muscles, Left temporomaxillary articulation, Sternocleidomastoid muscle, Left Carotid trigone, Trapezium Muscle, Pectoral major muscle, Deltoid Muscle, Clavicle, Eyes with muscle and nerves, Cranium, Brain with arteries
- ❖ 190 positions are displayed



Human Head Model Sagi

ZX-1414P

- ❖ 33x23x5 cm
- ❖ Made of PVC
- ❖ This extremely elaborate model shows the structure of the brain, spinal cord, nasal cavity, oral cavity and larynx.
- ❖ Mounted on base.
- ❖ Key card / Manual provided.



Half Head Model with Nerves & Vessels ZX-1413PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Model shows the right half of the adult human head and neck, sectioned along the sagittal plane.
- ❖ A superficial dissection exposes the facial muscles, the superficial blood vessels and nerve branches of the face and scalp, the parotid and submandibular glands.
- ❖ A median dissection exposes the brain with its internal structure, the pharynx and upper respiratory tract, a section of the cervical vertebrae.
- ❖ 81 features marked.
- ❖ Key card / Manual provided.

Head, Brain and Eye ZX-1409E

- ❖ Life size resin
- ❖ Made of HSP
- ❖ Model is in 4 parts with 2 parts brain and eye with optic nerve.
- ❖ Model shows natural position of nose, mouth cavity, pharynx, occiput & skull base.
- ❖ Mounted on board.
- ❖ 85 features marked.
- ❖ Key card / Manual provided.

HUMAN TORSO MODEL



DENTAL MODELS

Teeth Care Model Enlarged with Giant Teeth Brush

ZX-1427

- ❖ 15x 6x22 cm , 3 x Life size
- ❖ Made of PVC
- ❖ Model shows complete set of teeth with gums & tongue.
- ❖ A flexible joint between the jaws allows easy movement.
- ❖ Key card / Manual provided.



Teeth Model in Oral Cavity

ZX-NS6503

- ❖ The model made with realistic resistance of the lips and cheeks is used to simulate the Oral Cavity for real-life practice. It can be used with Hygiene Techniques Training Manikin.



Dental Care Model

Th001

- ❖ 2 Times Full-Size
- ❖ Giant Teeth with Tooth brush.



Dental Model Small

Th002

- ❖ 1.5 x Model with Hinge.



Alimentary Canal Wall Model (complete set of 8)

ZX-1605

- ❖ It is made of advanced HSP resin.
- ❖ Mounted on sturdy wooden base.
- ❖ Key card provided with each model

Oesophagus Wall

ZX-1605/1

- ❖ 16 x 16 x 26 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of Oesophagus wall.
- ❖ 14 features marked.



Oesophagus & Stomach Junction

ZX-1605/2

- ❖ 16 x 16 x 26 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of Oesophagus & stomach junction.
- ❖ 18 features marked.



Stomach Wall

ZX-1605/3

- ❖ 16 x 16 x 28 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of stomach wall.
- ❖ 21 features marked.



Stomach & Duodenum Junc

ZX-1605/4

- ❖ 16 x 16 x 38 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of stomach & duodenum junction.
- ❖ 17 features marked.



Intestinal Villi

ZX-1606

- ❖ 31 x 20 x 43 cm.
- ❖ Made of HSP resin.
- ❖ Highly enlarged 3D replica model of small intestine shows one entire villus, one sectioned villus with arterioles and venules and one sectioned villus with lymphatic vessels. The model also shows different muscle layers in section.
- ❖ Mounted on sturdy wooden base.
- ❖ 17 features marked.
- ❖ Key card / Manual provided.



Duodenum Wall

ZX-1605/5

- ❖ 16 x 16 x 33 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of duodenum wall.
- ❖ 15 features marked.



Small Intestine all

ZX-1605/6

- ❖ 16 x 16 x 28 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of small intestine wall.
- ❖ 15 features marked.



Small Intestine all

ZX-1605/7

- ❖ 16 x 16 x 26 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of large intestine wall.
- ❖ 15 parts labeled in total.



Rectum Wall

ZX-1605/8

- ❖ 16 x 16 x 21 cm.
- ❖ Model is highly magnified to show histological section fine tissues and structures of rectum wall.
- ❖ 11 features marked.



Appendix and Caecum

GD/A12006

- ❖ Made of advanced PVC.
- ❖ Mounted on a stand.
- ❖ Natural size.
- ❖ Shows wall of the caecum & appendix.
- ❖ Separated into 2 parts.
- ❖ Shows 17 positions.



Digestive System Model PVC ZX-1311PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 2 parts.
- ❖ The oral cavity, the pharynx and the first part of the esophagus are dissected along the medial sagittal plane. The liver is shown together with the gall bladder and the pancreas is dissected. The Stomach is open along the frontal plane; the duodenum, caecum, part of the small intestine and the rectum are open to expose the interior. The transverse colon is removable. The relief model of the head shows the anatomy of the mouth with salivary glands.
- ❖ Mounted on base.
- ❖ 51 features marked.
- ❖ Key card / Manual provided.



Human Digestive System ZX-1301A

- ❖ Life size
- ❖ Made of HSP resin
- ❖ Relief model of human digestive system in median section dissectible into 3 parts.
- ❖ Duodenum, caecum and rectum are opened. Rectum is unfolded.
- ❖ Transverse colon and front half of the stomach are removable.
- ❖ The model features the oral cavity, pharynx, esophagus, stomach, liver with gall bladder, pancreas, GI tract and spleen.
- ❖ Mounted on sturdy wooden base.
- ❖ 56 features marked.
- ❖ Key card / Manual provided.



Liver Model PVC ZX-1416PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Model shows lobulation, liver ligaments, portal structure, gallbladder, bile duct system.
- ❖ Mounted on base.
- ❖ 8 features marked.
- ❖ Key card / Manual provided.



Liver, Pancreas & Duodenum Model XC-311

- ❖ To study the basic structure of the liver, spleen, blood vessels and pancreas.
- ❖ External structure are illustrated as well as the pancreatic duct of the pancreas.
- ❖ This model also shows the abdominal aorta & inferior vena cava.
- ❖ Life-size. Dissectible into 3 parts.
- ❖ Made of PVC. Size: 23 x 12.5 x 26 cm.



Liver Model XC-312

- ❖ An economical way to study the basic structure of the liver.
- ❖ The complex vessels network in the opened liver, displayed in different colors on this model : hilus vessels, extra-hepatic and intra-hepatic bile ducts. Liver mounted on stand.



Stomach ZX-1408

- ❖ Made of HSP resin
- ❖ 17x16x25 cm.
- ❖ Dissectable in 2 parts.
- ❖ It shows different muscle layers of stomach wall.
- ❖ Model shows lower esophagus, vessels and nerves.
- ❖ Mounted on stand with base.
- ❖ 36 features marked.
- ❖ Key card / Manual provided.



Human Stomach, Pancreas & Duodenum ZX-1402

- ❖ 20x15x10 cm
- ❖ Made of HSP resin
- ❖ It shows layers of stomach wall.
- ❖ Dissectable in 3 parts.
- ❖ Model depicts lower esophagus, associated blood vessels and sectioned duodenum and pancreas (revealing large ducts up to its aperture).
- ❖ Mounted on stand with base.
- ❖ 70 features marked.
- ❖ Key card / Manual provided.



Stomach Model XC-306

- ❖ Made of hard plastic, Magnified 2 times the natural size
- ❖ Shows the morphology of the stomach in a distended state.
- ❖ With the longitudinal section, the model shows the structures of the gastric folds, pyloric valve, pyloric sphincter muscles, gastric mucosa and the transitional mucosa of the gastric-esophagus.

E.N.T.

Ear Model New Style Giant Size XC-303C

- ❖ Dissectible in 6 parts.
- ❖ Made of PVC Plasc.
- ❖ Size 33 x 15 x 23 cm.



Model of the Anatomical Nasal Cavity XC-309

- ❖ This model helps the students to understand:
- ❖ External nose : shows the section of the nasal bones and cartilages.
- ❖ Nasal cavity : on the lateral nasal wall show the superior, middle and inferior nasal conchae project medially into the nasal cavity forming the superior, middle and inferior nasal maxillary sinuses.
- ❖ Paranasal sinuses : shows the frontal, sphenoid and maxillary sinuses.



Human Larynx Model Magnified XC-301

- ❖ Size 11.5 x 11 x 24 cm, 3-parts dissectible.
- ❖ A functional model, On base 3 times enlarged.
- ❖ Shows movements of epiglottis & cartilages in the voice box.
- ❖ Shows the morphology and structure of the respiratory tract and phonetic organ.



Nasal, Oral, Pharynx & Larynx Cavities GD/A13001

- ❖ A model of the respiratory system, including the oral, nasal cavities, pharynx and larynx.
- ❖ The upper respiratory tract is dissected into two pieces along the medial sagittal plane.
- ❖ Ten parts and 113 positions are displayed. contraceptive sponge and cervical cap.

Model of the Head XC-324

- ❖ This model shows the interior parts of the mouth cavity and pharynx with network of vessels & trigeminal nerves.



E.N.T.

Eye Model on Stand

ZX-1410

- ❖ 15x15x32 cm. Model is highly magnified (6 mes enlarged).
- ❖ Model is in 7 parts.
- ❖ Ideal for basic anatomical study of eye. shows sclera, cornea, eye muscle aachments, iris, rena, opc nerve & venels.
- ❖ Mounted on a removable stand.
- ❖ 34 features marked.
- ❖ Key card/ Manual provided.



Eye with Orbit

XC-316B

- ❖ The model shows the eyeball with opc nerves & muscles in its natural posion in the bony orbit.
- ❖ Dissecble into 10 parts.
- ❖ 3 mes enlarged.

Giant Eye Model

XC-316

- ❖ Size: 15.5cm. Made of PVC. Mounted on a plastic stand. 6 times enlarged Model. The different parts of the eyeball model are detachable.
- ❖ Tunica external: showing cornea and sclera with attachments of ocular muscles and optic nerve.
- ❖ Tunica media: showing the iris, the ciliary body and the chorioid. Tunica interna is retina.
- ❖ Refraction media: showing the lens and the vitreous body.



HEART & CIRCULATORY SYSTEM



HEART & CIRCULATORY SYSTEM

Circulatory System Model PVC

ZX-1312PN

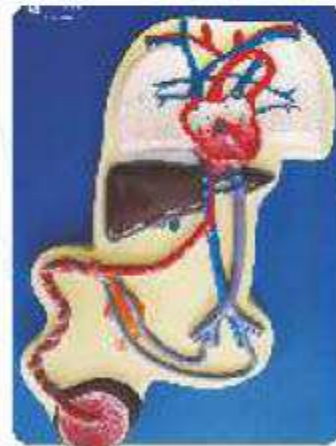
- ❖ Size : Half life Size •Made of PVC
- ❖ This model is a half life-size relief model which includes a 2 part removable heart and exceptional details.
- ❖ Following anatomical structures are in detail: The arterial/venous system, the heart, the lungs, the liver, the spleen, kidneys, and a partial skeleton.
- ❖ Mounted on base.
- ❖ 70 features marked.
- ❖ Key card / Manual provided.



Fetal Circulaon

ZX-1308E

- ❖ 61x46x7cm
- ❖ Made of HSP resin
- ❖ Model shows foetal heart, lungs, liver, placenta with cord, aorta & vena cava and is marked to show circulation & direction of blood flow.
- ❖ Mounted on sturdy wooden base.
- ❖ 24 features marked.
- ❖ Key card / Manual provided.



Human Circulatory System

ZX-1302

- ❖ Half life size
- ❖ Made of HSP resin
- ❖ Model shows following anatomical structures : Arterial and venous system, Heart showing chambers, Liver, Spleen, Lung, Kidneys, Partial skeleton.
- ❖ Mounted on wooden base.
- ❖ 81 features marked.
- ❖ Key card / Manual provided.

Pumping Heart

Mk019

- ❖ A 3-D working plastic heart model with clear chambers. Squeeze bulb pumps simulated blood through clear heart chambers just like real one.
- ❖ Complete heart model with display stand.
- ❖ Complete instruction manual, easy to assemble.
- ❖ Acrylic Paints & Brush are included.

HEART & CIRCULATORY SYSTEM



Heart Model Deluxe Life Size 2 Parts ZX-1424PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 2 parts
- ❖ Model parts held together with hidden magnets.
- ❖ The front wall of the heart can be removed and replaced easily, allowing for easy study of the internal structures of the heart.
- ❖ Mounted on stand
- ❖ 34 features marked.
- ❖ Key card/ Manual provided.



Heart Model Pd002

- ❖ Full size
- ❖ Durable ABS base
- ❖ Detachable cover piece.
- ❖ Highly realistic decoration.

Human Heart (7 Parts) ZX-1405E

- ❖ Made of HSP resin
- ❖ 20x20x22 cm.
- ❖ Model is sectioned to expose ventricles, atria, and valves.
- ❖ Model also depicts blood vessels of heart and heart musculature in detail.
- ❖ 33 features marked.
- ❖ Key card/ Manual provided.



Jumbo Heart Model XC-307

- ❖ Size: 25x23x23 cm.
- ❖ Made of PVC plastic.
- ❖ Clear conception of routes of the systemic and pulmonary circulation.
- ❖ Dissectible into 3 parts. 4 times enlarged.

HEART & CIRCULATORY SYSTEM



Middle Heart Model

XC-307D

- ❖ This model shows external features and internal structures of heart and its relation between large blood vessels.
- ❖ Dissectible into 5 parts.
- ❖ 3 times enlarged.



Blocked Artery Model

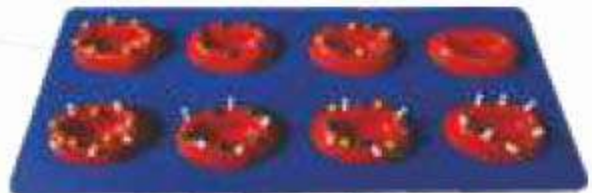
ZX-1500

- ❖ 12x8x4 cm.
- ❖ Made of HSP resin
- ❖ The model shows 4 stage cross section of narrowing of an artery due to build up of cholesterol and plaque.
- ❖ Four stages depict normal artery, fatty streak, fibrous plaque & blockage in order.
- ❖ All stages rotate on a hinge pin.
- ❖ 8 features marked.
- ❖ Key card / Manual provided.

Blood Groups

ZX-1611E

- ❖ Made of soft PVC
- ❖ 60x25x6cm.
- ❖ The model shows eight blood types ie. blood type A-/A+/B-/B+/AB-/AB+/O-/O+ (according to the presence or absence of antigens & Rh factor).
- ❖ Mounted on board.
- ❖ 12 features marked.
- ❖ Key card / Manual provided.



REPRODUCTIVE SYSTEM



REPRODUCTIVE SYSTEM

Human Reproductive System Male

ZX-1304

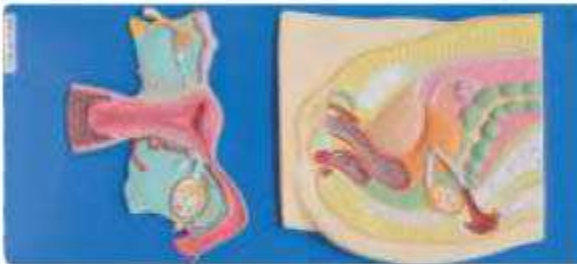
- ❖ 40x80 cm.
- ❖ Made of HSP resin
- ❖ Upper half part shows median section Of the system.
- ❖ Internal organs (accessory organs) shown in great detail are epididymis, vas deferens, ejaculatory ducts, urethra, seminal vesicles, prostate gland and bulbourethral gland.
- ❖ External structures shown are penis, scrotum and testicles.
- ❖ Lower half shows the model of scrotum and contents alongwith the penis.
- ❖ 41 features marked.
- ❖ Key card/ Manual provided.



Human Reproductive System Female

ZX-1305

- ❖ 40x80 cm.
- ❖ Made of HSP resin
- ❖ Upper half model shows both ovaries, left ovary in section, fallopian tubes with fimbriae, uterus, cut open vagina to show vaginal folds and cervix, bladder with cut open urethra, labia and rectum.
- ❖ Lower half model shows adnexa of uterus.
- ❖ 56 features marked.
- ❖ Key card / Manual provided.



IUD Training Simulator

GD/F5N

- ❖ Basing on real anatomy of female genitalia, we designed this model for instructing or training of insertion or removal IUD.
- ❖ The uterus is in coronal section and covered with transparent plastic window. So students can directly observe whole insertion or removal process.



Female Internal & External Genital Organs

XC-429

- ❖ It shows the female genital organs including uterus, uterus appendix (fallopian tube, ovary and its membrane, ligament teres uteri, ligament ovary proprium), vagina and the structure of external genital organ.
- ❖ Part of uterus & vagina are dissected to show its internal structures. Size: life-size.

REPRODUCTIVE SYSTEM



Male Pelvis Secon Diss. PVC

ZX-1417PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 4 parts
- ❖ Open through the medial sagittal section of male pelvis, this model shows the internal organs of urinary, male reproductive system and muscular anatomy
- ❖ Mounted on base.
- ❖ 26 features marked.
- ❖ Key card / Manual provided.



Female Pelvis Secon Diss. PVC

ZX-1418PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 3 parts
- ❖ This model shows the urinary and female reproduction system along with muscular anatomy
- ❖ Half of the pelvis is shown, along with a removable attachment to see the outer reproductive organs
- ❖ Mounted on base.
- ❖ 27 features marked.
- ❖ Key card / Manual provided.

Male Genital Organs Model Dissectable

ZX-1419PN

- ❖ Size : Life size
- ❖ Made of PVC
- ❖ Dissectable in 5 parts
- ❖ This model is medially sectioned.
- ❖ The model shows penis, prostate, bladder, seminal vesicle, spermatic cord, inguinal canal and testicles.
- ❖ 23 features marked.
- ❖ Key card / Manual provided.



Female Genital Organs Model Dissectable

ZX-1420PN

- ❖ Size : Life size
- ❖ Made of PVC
- ❖ Dissectable in 4 parts
- ❖ This model is medially sectioned.
- ❖ Removable parts include a two-part Uterus and two halves of the Female Reproductive System with details of the internal structure.
- ❖ 13 features marked.
- ❖ Key card / Manual provided.

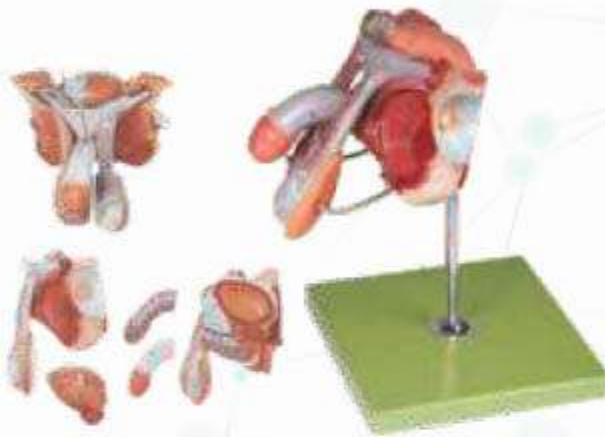


REPRODUCTIVE SYSTEM



Male Condom Training Model ZX-1412

- ❖ 14.5x 14.5 x 20 cm
- ❖ Made of HSP resin
- ❖ The model is designed for male condom skill training.
- ❖ Model is supplied with one spare condom.

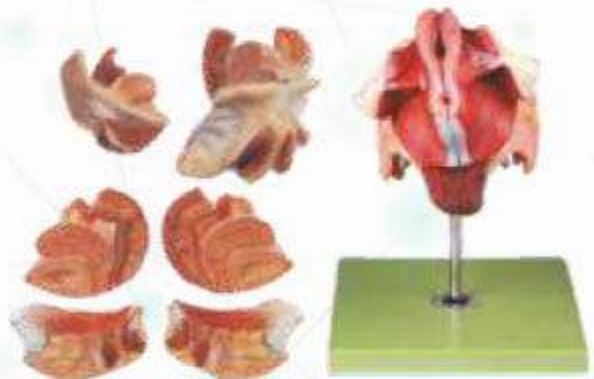


Male Genital Organs GD/A15102

- ❖ Dissected in median & mounted on a stand.
- ❖ Shows the penis, prostate, bladder, seminal vesicle, spermatic cord & inguinal canal & base.
- ❖ Shows 72 positions.
- ❖ Made of Advanced PVC.

Female Genital Organs GD/A15105

- ❖ Dissected & mounted on a stand.
- ❖ Shows internal & external female genital organs.
- ❖ Shows 40 positions.
- ❖ Model consists of 4 parts.
- ❖ Made of Advanced PVC.



Male Condom Model GD/F5M

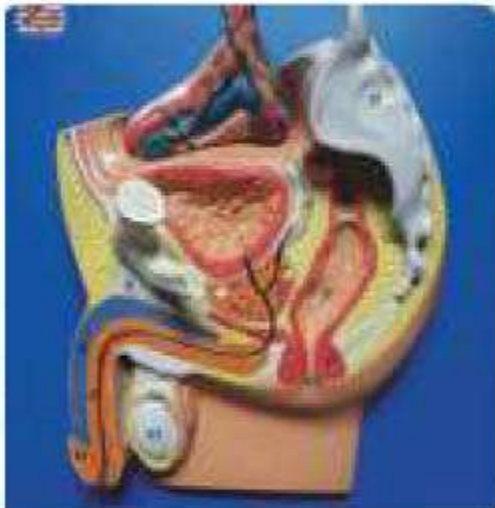
- ❖ The model is designed for male condom skill training.
- ❖ The model is mounted on a Lucite stand.
- ❖ The anatomy is accurate and the shape is realistic.

REPRODUCTIVE SYSTEM



Female Contraception Practice Simulator GD/F9B

- ❖ Imported material, high-quality and environmental protection.
- ❖ Simulated anteversion uterus, fallopian tubes, labium, vagina and transparent abdominal wall cover in the pelvic cavity.
- ❖ Expansion of vagina, the use of vaginal speculum, operation of female condom, contraceptive sponge and cervical cap.



Male Pelvis Small (Magneo) ZX-1403E

- ❖ 25x25x8 cm.
- ❖ Made of HSP resin
- ❖ Model is in 3 parts.
- ❖ Median section model shows male genital organs in normal position.
- ❖ Model is mounted on board.
- ❖ 36 features marked.
- ❖ Key card / Manual provided.

Female Pelvis Small (Magneo) ZX-1404E

- ❖ 25x25x8 cm.
- ❖ Made of HSP resin
- ❖ Model is in 2 parts.
- ❖ Median section model shows female genital organs in normal position.
- ❖ Model is mounted on board.
- ❖ 31 features marked.
- ❖ Key card / Manual provided.

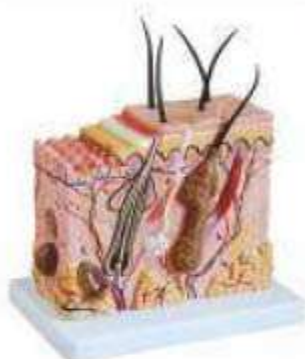


SKIN

Skin Model

ZX-1604

- ❖ 21x10x25 cm.
- ❖ Made of HSP resin
- ❖ Model shows 3-D section of human skin.
- ❖ The model represents differentiated skin layers, hair, sweat glands, sebaceous glands, blood vessels, nerves and receptors for detailed examination.
- ❖ Mounted on sturdy wooden board for easy display.
- ❖ 35 features marked.
- ❖ Key card/ Manual provided.



Skin Block Model

XC-313-2

- ❖ This model shows a section of human skin in three dimensional forms. Hair, sebaceous and sweat glands, receptors, nerves and vessels are shown in detail. 70 time enlarged.

Human Skin

ZX-1401

- ❖ 30x35 cm
- ❖ Made of HSP resin
- ❖ The skin relief model of a skin section of the head.
- ❖ Skin section portrays the anatomy of the skin at 70 times life size and shows:- Representation of hair follicles with sebaceous glands, Sweat glands, Receptors, Nerves, Blood Vessels, Different layers of the skin.
- ❖ Mounted on sturdy wooden base.
- ❖ Key card/ Manual provided.
- ❖ 31 features marked.



Skin Model Enlarged

XC-313

- ❖ A greatly enlarged (105 times) cross sectional view of the human skin showing three layers-epidermis, dermis, hypodermis, structures of the human scalp and a close-up view of a hair follicle, sweat gland, fatty tissue, sebaceous gland, blood vessels & nerves. Front, side and back view.
- ❖ Mounted on a plastic base.
- ❖ Size: 27 x 10 x 31 cm.



Skin Cancer

ZX-1501E

- ❖ Made Of HSP resin
- ❖ Size : 15x15x6 cm.
- ❖ This skin cancer model shows three cancerous conditions : NBC (Nodular Basal Cell), MMC (Malignant Melanoma), MBC (Morpheic Board Cell), and three non cancerous qonditions : DN (Dyplastic Nevi), KAC (Keratoa conthoma), AK (Aetinic Keratosis) with basal layer and dermal layer cross-section detail.
- ❖ Mounted on wooden base.
- ❖ 9 features marked.
- ❖ Key card/ Manual provided.



Skin Acne

ZX-1502E

- ❖ 15x15x13 cm.
- ❖ Made Of HSP resin
- ❖ Enlarged cross-section model of skin shows acne pustule (pimple) and open comedo (black head).
- ❖ The model also shows normal skin with relevant details.
- ❖ Mounted on wooden base.
- ❖ 19 features marked.
- ❖ Key card / Manual provided.

Skin Burn

ZX-1503E

- ❖ 20x15x12 cm.
- ❖ Made of HSP resin
- ❖ The model is two sided. One side shows normal skin anatomy.
- ❖ The other side shows 1st, 2nd and 3rd degree burns.
- ❖ 75 times enlarged.
- ❖ Mounted on wooden base.
- ❖ 20 features marked.
- ❖ Key card/ Manual provided.



BRAIN & NERVOUS SYSTEM



BRAIN & NERVOUS SYSTEM

Brain Model Deluxe 9 Parts

ZX-1421PN

- ❖ Lifesize
- ❖ Made of PVC
- ❖ Dissectable in 9 parts. On base
- ❖ Model can be disassembled into the temporal and occipital lobes, the frontal and parietal lobes, the cerebellum, the brain stem and circle Of Willis & basilar artery.
- ❖ All structures, including blood vessels, are shown in great detail
- ❖ Model pieces are held together with magnets & pegs
- ❖ 41 features marked.
- ❖ Key card/ Manual provided.



Brain Model Deluxe Enlarged 4 parts

ZX-1422PN

- ❖ Size : 1.5 times enlarged
- ❖ Made of PVC
- ❖ Dissectable in 4 parts
- ❖ Showing the temporal and occipital lobes, the frontal & parietal lobes, the cerebellum, the brain stem in different colors. Mounted on metal stand with wooden base.
- ❖ 142 features labeled & relevant descriptive names written directly on model.
- ❖ Key card / Manual provided.

Brain with Arteries

XC-308

- ❖ Made of PVC plastic.
- ❖ Dissectible into 8 parts. On base.
- ❖ Natural size: 18.5 x 14 x 13.5 cm.
- ❖ Facilitates a correct understanding of the features of the brain and its arterial supply as a whole, Relations between their component portions.
- ❖ External features of the brain: cerebral hemisphere, brain stem, cerebellum.
- ❖ The arterial supply of the brain: sources, vertebral, internal carotid arteries, arterial supply of the cerebellum and cerebrum.



Brain with Arteries on Head

XC-318

- ❖ This model shows the brain structure inside the skull. Two halves brains can be disassembled into: frontal with parietal lobes, temporal with occipital lobes, half of brain stem, half of cerebellum.
- ❖ Life size
- ❖ Dissectible into 9 parts.



Nervous System Model PVC

ZX-1317PN

- ❖ Size : Half size
- ❖ Made of PVC
- ❖ Well illustrated and informative
- ❖ Beautifully painted in bright colors
- ❖ Model is accurately made from actual specimen references, photographs and encyclopedia under expert guidance
- ❖ Model is great teaching tool for anatomy lessons
- ❖ Mounted on base.
- ❖ 33 features marked.
- ❖ Key card / Manual provided.

Human Nervous System

ZX-1307

- ❖ Half life size
- ❖ Made of HSP resin
- ❖ Model is a schematic representation of the central and peripheral nervous system, including spinal nerves radiated from central nervous system to other parts of body.
- ❖ Mounted on wooden base board.
- ❖ 39 features marked.
- ❖ Key card / Manual provided.



BRAIN & NERVOUS SYSTEM



Neuron

ZX-1602

- ❖ 30x20x12 cm
- ❖ Made of HSP resin.
- ❖ Motor neuron model in three-dimension.
- ❖ Model shows branching dendrites, myelin- wrapped axon and node of Ranvier.
- ❖ Removable axon section shows cytological ultra structure, layers of myelin sheath, neurolemma and schwann cell.
- ❖ 19 features marked.
- ❖ Key card/ Manual provided.



Neuron Model

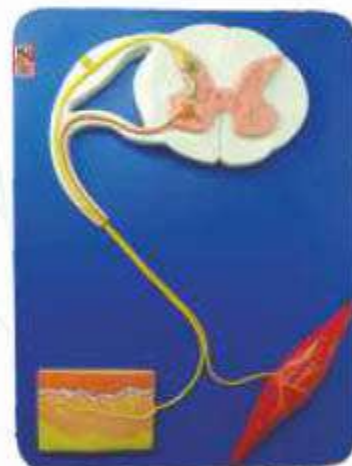
GD/A18001

- ❖ Consists of 2 parts.
- ❖ Shows neuronal body and nerve fiber, neuronal axon hillock, dendritic arbor, neurofilament, etc.
- ❖ Shows 15 positions.
- ❖ Made of Advanced PVC.

Reflex Arc

ZX-1610E

- ❖ 30x40x3 cm.
- ❖ Made of HSP resin
- ❖ The model shows sensory, neural & motor elements of a complete reflex arc.
- ❖ Mounted on sturdy wooden base.
- ❖ 22 features marked.
- ❖ Key card/ Manual provided.



Spinal Cord in the Spinal Canal

GD/A 18102

- ❖ Mounted on board.
- ❖ Shows ventral side, brain stem and spinal cord
- ❖ Branches up to the coccygeal plexus, sympathetic trunk with its connection to the central nervous system.
- ❖ Shows 47 positions.
- ❖ Made of Advanced PVC.

RESPIRATORY SYSTEM

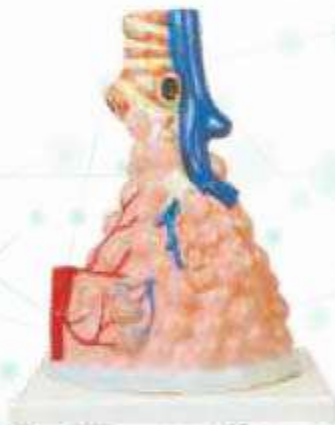
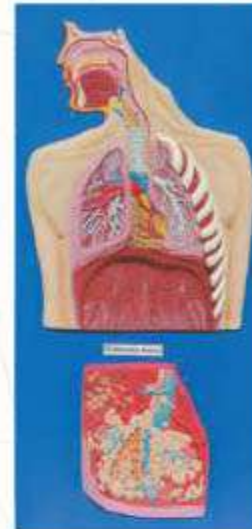


RESPIRATORY SYSTEM

Human Respiratory System

ZX-1306

- ❖ Size : 40x80 cm.
- ❖ Made of HSP resin.
- ❖ Well illustrated and informative.
- ❖ Upper half of the model displays nasal cavity, oral cavity, trachea, bronchia, bronchial tree in pulmonary lobe, right and left lungs cut open, heart in situ, pulmonary blood vessels and diaphragm with muscles attached to it.
- ❖ Lower half of the model shows enlarged pulmonary acinus displaying pulmonary alveoli, alveolar sacculles, bronchial artery and veins and alveolar capillary network.
- ❖ Model is accurately made from actual specimen references, photographs and encyclopedia reference under expert guidance.
- ❖ Mounted on wooden sturdy base board.
- ❖ 38 features marked.
- ❖ Key card/ Manual provided.



Human Tongue and Larynx Model 5 Parts

ZX-1423PN

- ❖ Natural size
- ❖ Made of PVC
- ❖ Dissectable in 5 parts.
- ❖ The model consists of median sagittal section of the larynx, the laryngeal ligament & cartilage, the base of the tongue, thyroid gland and the part of mandible with teeth.
- ❖ Mounted on base.
- ❖ 49 features marked.
- ❖ Key card/ Manual provided.

Pulmonary Alveoli Model Magnified

XC-302

- ❖ Size: 26 x 15 x 35 cm
- ❖ Made of PVC plastic and mounted on plastic base.
- ❖ The model shows the small branches principal bronchus
- ❖ Section of bronchiole of no cartilage.
- ❖ The relation between pulmonary alveoli and terminal bronchiole.
- ❖ The structure of alveolar sac and alveolar duct
- ❖ The capillary rete in the alveolar septa.



RESPIRATORY SYSTEM



Larynx with Bronchial Tree Life Size 3 Parts ZX-1610PN

- ❖ Size : life Size
- ❖ Made of PVC
- ❖ Dissectable in 3 parts.
- ❖ The model consists of three components: the median sagittal sections of the larynx and trachea with bronchial tree.
- ❖ Model is held together with magnets and metal pegs.
- ❖ Supplied with stand.
- ❖ 37 features marked.
- ❖ Key card / Manual provided.



Respiratory System Model 7 Parts PVC ZX-S320PN

- ❖ Life size
- ❖ Made of PVC
- ❖ Dissectable in 7 parts
- ❖ Showing the larynx (dissected along the sagittal plane), the lungs (dissected along the frontal plane) & a 2 parts heart.
- ❖ Mounted on base.
- ❖ 51 features marked.
- ❖ Key card / Manual provided.

Larynx, Heart and Lungs Model XC-320

- ❖ Life size, 36 x 23 x 12 cm
- ❖ Dissectable in 7 parts
- ❖ Made of PVC plastic



RESPIRATORY SYSTEM



Lung Segment Model Transparent ZX-1415

- ❖ Size : 2 times enlarged
- ❖ Plastic and PVC
- ❖ This model presents 10 segments in the right lung and 8 in the left lung.
- ❖ The distribution of the bronchial tree can be observed through the transparent lungs.
- ❖ The lungs are made of transparent plastic. The trachea and bronchial tree is made of PVC.
- ❖ Delivered on stand
- ❖ Key card/ Manual provided.



Model of the Transparent Lung Segment XC-330

- ❖ Presents 10 segments in the right lung and 8 in the left. The distributions of the bronchial tree can be observed through the transparent lungs.
- ❖ Right lung: right upper lobe (3 segments), right middle lobe (2 segments), right inferior lobe (5 segments)
- ❖ Left lung: left upper lobe (4 segments), left inferior lobe (4 segments).
- ❖ Distribution of the bronchial tree: right bronchus, left bronchus.
- ❖ Hilus of lung. The lung made of transparent plastic. The trachea and bronchial tree is made of PVC.

Transparent Lung, Trachea & Bronchial tree with Heart GD/A13013

- ❖ The model consists of heart, great vessels (aorta, superior vena caval), tracheobronchial tree and mediastinum.
- ❖ 57 positions are displayed
- ❖ Size: 2/3 time of Life size, 27 x 22 x 19 cm.
- ❖ Material: Advanced PVC and paint.



EXCRETORY SYSTEM



EXCRETORY SYSTEM

Male Urogenital System

XC-331

- ❖ This is intended for schools as a visual aid in teaching physiology and hygiene to help the students to understand the external features of the urogenital system of the kidney, urinary bladder, penis and testicle.
- ❖ Made of PVC Plastic.
- ❖ Size 20x 20x 50 cm.



Female Urogenital System

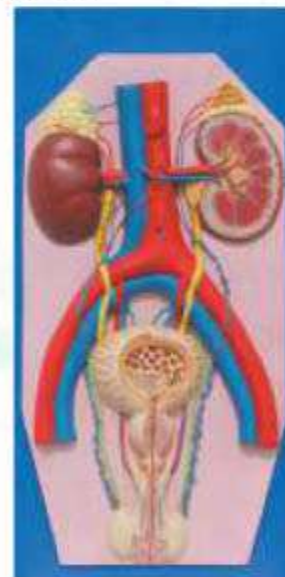
XC-332

- ❖ This model serves as a teaching model for teachers to teach the female urogenital system. The model shows kidney, ureters, urinary bladder, uterus, accessories of uterus, vagina, ovary membrane, ligaments, uterus ligament and its artery etc.
- ❖ Made of PVC plastic.
- ❖ Size 20 x 20 x 50 cm.

Human Excretory System

ZX-1303

- ❖ 40x80 cm
- ❖ Made of HSP resin
- ❖ Delivered on wooden baseboard for easy display.
- ❖ It shows the structures of the retroperitoneal cavity which includes : descending aorta, inferior vena cava, renal veins and arteries, ureter, urinary bladder cut open to show trigone and other structures, adrenal glands, both kidneys, iliacal vessels and prostate gland.
- ❖ Left kidney and left adrenal gland in section.
- ❖ Model also shows testis and penis in section.
- ❖ The model has anatomical details that makes it a great teaching aid.
- ❖ 36 features marked.
- ❖ Key card/ Manual provided.



Kidney

ZX-1407

- ❖ Size: 3 times of life size.
- ❖ Made of HSP resin
- ❖ Model shows a longitudinal section of the left kidney.
- ❖ Mounted on stand.
- ❖ 31 features marked.
- ❖ Key card / Manual provided.

EXCRETORY SYSTEM



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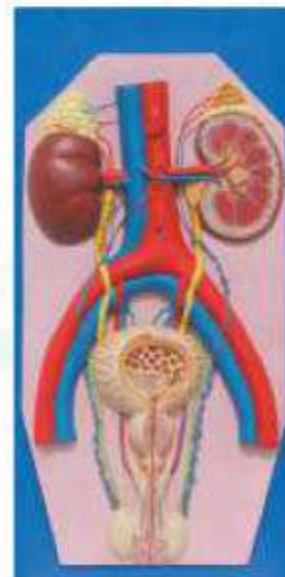
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Kidney

ZX-1407

- ❖ Size: 3 times of life size.
- ❖ Made of HSP resin
- ❖ Model shows a longitudinal section of the left kidney.
- ❖ Mounted on stand.
- ❖ 31 features marked.
- ❖ Key card / Manual provided.

GYNAE & OBSTETRIC MODELS



GYNAE & OBSTETRIC MODELS

Human Female Pelvis Secon (4 parts)

XC-332B

- ❖ This median section models shows normal position of child before birth.
- ❖ Removable fetus. Made of PVC plastic. Size: 38 x 40 cm.



Ovary Model

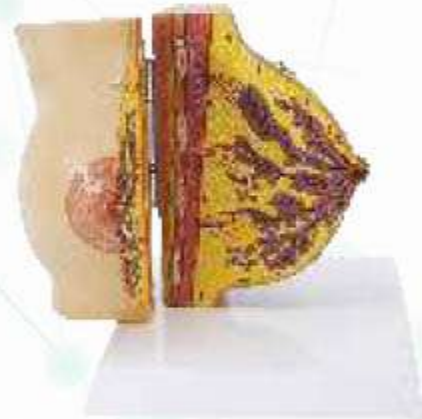
GD/A41003

- ❖ Consists of 8 parts, mounted on stand.
- ❖ Shows ovary, primary and secondary ovarian follicles, ovum, ovulation, ovum, corpus luteum, corpus albicans.
- ❖ It demonstrates the procedure of ovum's development.
- ❖ Shows 10 positions.
- ❖ Made of Advanced PVC.

Female Breast Model Deluxe

ZX-1425PN

- ❖ Size : Life size
- ❖ Made of PVC
- ❖ This model opens in half to display all internal structure of a female breast
- ❖ It is able to stay close by a metal hook
- ❖ Mounted on base
- ❖ 12 features marked.
- ❖ Key card / Manual provided.



Female Breast Model Dx. During Lactaon

ZX-1426PN

- ❖ Size : Life size
- ❖ Made of PVC
- ❖ This model opens in half to display all internal structures of a female breast during lactation
- ❖ It is able to stay closed by a metal hook
- ❖ Mounted on base
- ❖ 12 features marked.
- ❖ Key card / Manual provided.

GYNAE & OBSTETRIC MODELS



Female Breast Model

ZX-1406

- ❖ Lifesize
- ❖ Made of HSP resin
- ❖ Model on stand shows a female breast in quiescent period.
- ❖ Model is medially divided into 2 halves.
- ❖ 16 features marked.
- ❖ Key card/ Manual provided.



Human Placenta Model with Cord

ZX-1700PN

- ❖ Size :Lifesize
- ❖ Made of PVC
- ❖ It shows structure of placenta from maternal and fetal side both.
- ❖ It also shows the relation between placenta and umbilical cord.
- ❖ Umbilical cord clearly shows umbilical vessels
- ❖ Maternal side: shows dark maroon structure of the decidua featuring the cotyledons
- ❖ Fetal side: reveals the amnion (amniotic membrane) partially removed, exposing the intervillous space.
- ❖ 8 features marked.
- ❖ Key card / Manual provided.

GD/A42010/1

ZX-1406

- ❖ Mounted on stand
- ❖ Made of Advanced PVC.
- ❖ Shows the structure of placenta and the relation between placenta and umbilical cord.
- ❖ 7 positions are displayed.



Full Term Fetus with Viscera and Placenta

ZX-1703

- ❖ Size :Life size
- ❖ Made of PVC
- ❖ Dissectable in 11 parts
- ❖ Parts dissectable are: Liver in two parts, placenta with umbilical cord, left lung, right lung, two part heart, Thymus gland & intestinal viscera.
- ❖ Mounted on board size 38 x 53 cm
- ❖ Key card / Manual provided.

GYNAE & OBSTETRIC MODELS



Fetus with Viscera and Placenta

GD/A42008

- ❖ Made of Advanced PVC.
- ❖ Shows a female fetus at the end of the pregnancy with placenta and umbilical cord.
- ❖ Separated into 13 parts as follow: Placenta, umbilical cord, abdominal cover, lungs, heart, thymus, diaphragm, liver, stomach, intestine, body.



Embryo Model

GD/A42004

- ❖ Mounted on stand.
- ❖ Made of Advanced PVC.
- ❖ 4 weeks old embryo.
- ❖ Shows 12 positions.



Human Fertilization and Embryogeny Model

ZX-1712PN

- ❖ Size : 61x46x16.5 cm
- ❖ Made of PVC
- ❖ Shows the development from sperm and ovum to the fetus in third month via 16 different models.
- ❖ 16 features marked in model of placental section.
- ❖ Key card / Manual provided.



Human Fertilization and Early Embryogeny

GD/A42002

- ❖ Shows the development from ovum to the fetus in third month.
- ❖ 16 positions are displayed.
- ❖ Material: Advanced PVC

Fertilization Process Simulator

ZX-1701

- ❖ Size: 90 x 30 x 6.5 cm
- ❖ Made of HSP resin
- ❖ Two frontal sections of female reproductive organs showing fertilization process.
- ❖ Mounted on sturdy wooden frame
- ❖ 23 features marked.
- ❖ Key card / Manual provided.



Ferlizaon Process Model PVC

ZX-1711PN

- ❖ Size : 2X life size, 32x90x4.5 cm
- ❖ Made of PVC
- ❖ Showing two frontal sections through female genital organs describing stages just before and after fertilization.
- ❖ Mounted on a board.
- ❖ 16 features marked.
- ❖ Key card/ Manual provided.



Ferlizaon Process Simulator PVC

GD/A42001

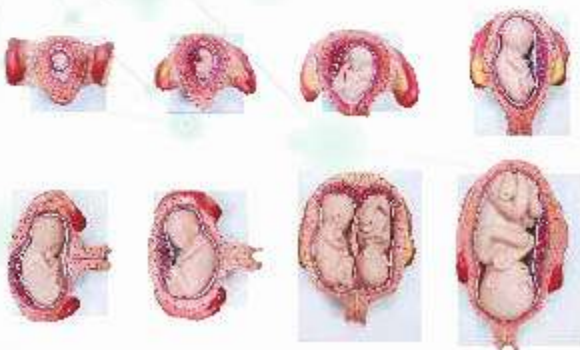
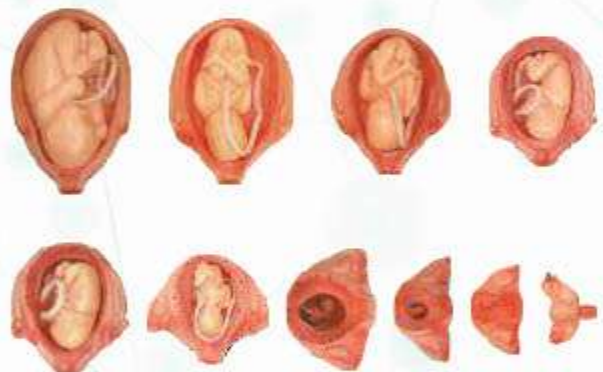
- ❖ Shows two frontal sections through female genital organs.
- ❖ Mounted on a board. 25 positions are displayed.
- ❖ Material: Advanced PVC.

The Development Process of Fetus

XC-414

- ❖ Made of PVC and synthetic rubber.
- ❖ The model consist of 10 parts and shows the relationship between fetus and Uterus during the gestation period.

Part No.	Gestation Moth	Appearance/Height of Fetus
• 1st	Normal Uterus	Inner genitals
• 2nd	First	Placenta is shown
• 3rd	Second	Embryo looks like human
• 4th	Third	Fetus is about 9 cm
• 5th	Fourth	Fetus is about 16 cm
• 6th	Fifth	Fetus is about 25 cm
• 7th	Sixth	Fetus is about 30 cm
• 8th	Seventh	Fetus is about 35 cm
• 9th	Eighth	Fetus is about 40 cm
• 10th	Ninth	Fetus is about 45 cm



Fetal Development Model set of 8 Half size

ZX-S414H

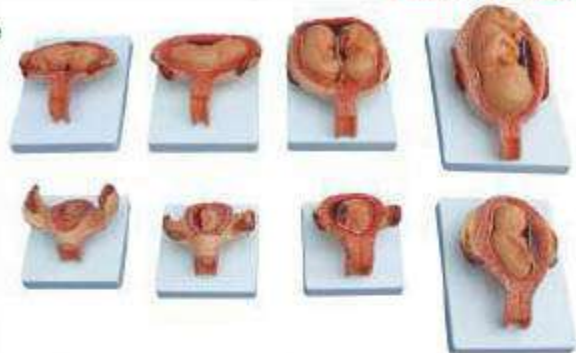
- ❖ Size : Half size
- ❖ Made of PVC
- ❖ Each model mounted on separate base.
- ❖ Shows the development from ovum to the fetus in 7th month

- A: 1st Month Embryo
- B: 2nd Month Embryo
- C: 3rd Month Embryo
- D: 4th Month Foetus (Breech Posion)
- E-I: 5 th Month Foetus (Transverse Lie)
- E-II: 5th Month Foetus (Transverse Lie)
- F-II: 5 th Month Twin Foetuses (Normal Posion)
- F: 7th Month Foetus

- ❖ Key card / Manual provided.

The Development Process of Fetus (Half Size) XC-414A

- ❖ This model shows relationship between fetus and uterus in 1st, 2nd, 3rd, 4th, 5th, 6th, 7th month pregnancy, and twins course in the 5th month.
- ❖ Consist of 8 parts.



Child Birth Demonstraon Model ZX-1704

- ❖ Size : Life size
- ❖ Made of PVC
- ❖ Three individual models display childbirth in 3 stages of labor.
- ❖ First model shows first (dilation) stage of labor.
- ❖ Second model shows second (birth) stage of labor.
- ❖ Third model shows third (afterbirth) stage of labor.
- ❖ Each labor stage model shows major parts including pelvis, uterus, placenta with umbilical cord and fetus.
- ❖ Each model is dissectable in 3 parts
- ❖ 44 features marked.
- ❖ Key card / Manual provided.



Advanced Delivery Mechanism Demonstraon Simulator GD/F52

- ❖ Demonstrate the whole process of delivery;
- ❖ Demonstrate the fetus, umbilical cord and placenta of vacuum- assisted delivery, flexible fetal joint and multiple normal and abnormal positions of fetal delivery can be showed. • Can practice and master the comprehensive skills of normal labor, abnormal labor (dystocia), midwifery & perineum protection.
- ❖ Available training of multiple pregnancy (twin pregnancy).
- ❖ Component: A (Matrix For Delivery Demonstration) + B (Fetus For Demonstration).



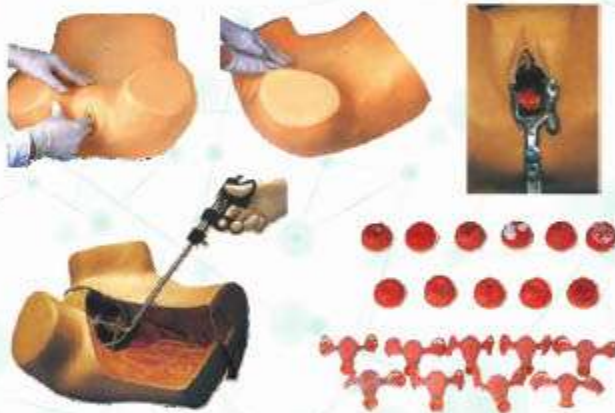
Advanced Gynaecological Training Simulator GD/F35

- ❖ Including all the functions of GD/F30S.
- ❖ Hysteroscopy Checking.
- ❖ Laparoscopic visualization checking can observe the uterus, accessories, round ligament, uterine and other structures.
- ❖ Allow to place the female condoms, contraceptive sponge, cervical cap & other contraceptives. Cervix and uterus can be replaced.



Advanced Abdominal Palpaon and Delivery Mechanism GD/F54

- ❖ Demonstrate the fetus, umbilical cord any placenta of vacuum-assisted delivery, flexible fetal joint ad multiple normal and abnormal of fetal delivery can be showed.
- ❖ Equipped with manual delivery mechanical parts; by manual the whole delivery process including engagement, descending, flexiÜb internal rotation, extension, restoration, external rotZion and fetal delivery can be showed.
- ❖ Can practice and master the comprehensive skills of normal labor, abnormal labor (dystocia), midwifery and perineumprotecttn.
- ❖ Equipped with soft elevated cushion for Maneuver practice.
- ❖ Euipped with models for cervical and vaginal examination practice 12fore and a birth.
- ❖ Component : B (Fetus for Demonstration) + C (Matrixfor Manual Delivery Demonstration) + D (Cervical Changes Models) + E (Lifting Soft Pad for Maneuver Practice).



Gynaecological Examination Mode GD/F30S

- ❖ This Gynecological Training Model is specifically designed for professional training. The various functions of this model are as follow:-
 1. Palpation of normal and pregnant uterus;
 2. Bi-manual pelvic and tri-manual pelvic examination;
 3. Vaginal examination;
 4. Visual recognition of normal abnormal aervices;
 5. Contraceptive sponge insertion and removal;
- ❖ Observation of uterus, ovary, fallopian tubes and ligament teres.

Vacuum Delivery Model GD/F8

- ❖ The simulator can help to demonstrate all the process of delivery.
- ❖ The life-size pelvic cavity has main anatomical structures.
- ❖ It can help to train the skills of delivery.



GYNAE & OBSTETRIC MODELS



Leopold Maneuvers Simulator GD/F6

- ❖ The model shows the seven stages of birth: engagement-descent-flexion-internal rolling-spread-reposition and external rolling-childbirthing.



Episiotomy Training Simulator GD/F3A



- ❖ This model is designed for practice of perineum cutting and suturing.
- ❖ The main structure of the simulator is a perineum, which is made of simulative and the inner muscle is soft PVC. The simulator is mounted on a plastic framework.
- ❖ There are two handles in the back and bottom of the simulator to adjust tension of the perineum.
- ❖ Right posterior incision, left posterior incision or median incision can be selected to exercise perineum cutting and suturing.

Vulva Suturing Training Simulator GD/F3B



- ❖ The models demonstrate the wound in different position in pudendum.
- ❖ It's made of soft materials, can be used in many times suturing training.

Maternity Examination Model GD/FW2



- ❖ Specifically designed for professional training. The various functions of this model are as follow:-
- ❖ Palpation, embryo heart sound auscultation, pelvic measurement & mammary nursing training;
- ❖ Inflating uterus through ball to make model to be lifelike;
- ❖ Adjustable heart sound speed, volume;
- ❖ Heart sound can be heard not only from stethoscope but also from microphone of front board of model.

Labour Delivery Simulator GD/F20G



- ❖ This series models consists of six development phases and each part shows a state of prenatal cervix and birth canal. The whole models demonstrate the relations between the scope of the expanding of the orifice of cervix and the range of cervical tunnels, as well as the relation between the position of the head of fetus and the square of ischial spine.
- ❖ The orifice of cervix has no expanding and the cervical tunnels haven't disappeared at all. The positional relation between the head of fetus and the square of ischial spine is -5.
- ❖ The orifice of cervix has expanded 2cm bigger and the cervical tunnels disappear 50%. The positional relation between the head of fetus and the square of ischial spine is -4.
- ❖ The orifice of cervix has expanded 4 cm bigger and the cervical tunnels disappear absolutely. The positional relation between the head of fetus and the square of ischial spine is -3.
- ❖ The orifice of cervix has expanded 5 cm bigger and the cervical tunnels disappear absolutely. The positional relation between the head of fetus and the square of ischial spine is -0.

PAEDIATRICS MODELS

Newborn Baby Model

XC-409

- ❖ The size and configuration of this model is almost same as the normal newborn baby. The head, upper limbs, lower limbs and all joints are flexible. It can demonstrate the characteristic of the newborn baby and all kinds of operations in clinic education : includes different parturition method, newborn baby bath etc.
- ❖ Made of soft PVC plastic. Washable. Length 52 cm, Head diameter : 34 cm.



New Style Newborn Baby Model

XC-409A



- ❖ The size and configuration of this model is almost same as the normal newborn baby. The head, upper limbs, lower limbs and all joints are flexible. It can demonstrate the characteristics of the newborn baby and all kinds of operations in clinic education includes different parturition method, newborn baby bath etc.
- ❖ Made of soft PVC plastic.

New Born Baby Model

GD/FT4



- ❖ This model is made of PVC material and developed by moulding method. It has realistic shape and reasonable structure and a high durability.

New Born Baby

GD/FT1

- ❖ This model is made of PVC material and developed by moulding method. It has realistic shape and reasonable structure and a high durability.



Advanced Nursing Baby GD/H130

- ❖ Specifically designed for professional nursing training.
- ❖ High quality manikin provides wide range of exercises
- ❖ Possible including both first aid and emergency situations.
- ❖ **Basic Nursing Skill :-**
- ❖ Movable head, neck, hand and foot;
- ❖ Stomach washing, clyster & catheter nursing;
- ❖ Cephalic vein puncture;
- ❖ Umbilic vein injection;
- ❖ Oronasal intubation nursing;
- ❖ Ostomy;
- ❖ Hand-foot subcutaneous injection;
- ❖ Washing, lactation, dressing.



Advanced Mul-funconal Child Nursing Manikin (Unisex) GD/FT333



- ❖ Designed according to the anatomical characteristics of child, and specializing in child are training. The skin is soft and xible, not easily deformed, realistic shape, 10 ely appearance, and clear internal anatomical structure. Good help for pediatric nursing teaching and training.
- ❖ Pupil observation. Bilateral Pupil states: normal, mydriasis,
- ❖ Operations of child care: full body bandage exercise, bathing, changing clothes, hair combing, eye washing and administering, otic drops and irrigation, mouth cavity care, blood collection of finger and TB test.
- ❖ Airway administering: realistic mouth, nose, tongue, gum, pharynx, larynx, esophagus, epiglottis, trachea and tracheal ring, can practice tracheal intubation, sputum suction, oxygen inhaling.
- ❖ Oral and nasal feeding. Gasrolavage
- ❖ Venipuncture, injection, transfusion (Arm). When needle penetrates into vein, blood flash back indicates proper insertion.
- ❖ Intramuscular injection in bilateral deltoid, bilateral vastus lateralis and bilateral buttock. Enema, placement of rectal suppository. Urethral catheterization
- ❖ Holistic care: sponge bath, replacing clothes, cold and heat therapy
- ❖ Limbs joints: Bend, rotation, upper and lower movement.
- ❖ Bathing and bandaging activity
- ❖ Ostomy nursing of ileum, colon and bladder.
- ❖ Tibial bone marrow puncture: Simulated bone marrow would outflow in the case of correct puncture.

NURSING MANIKIN



Multi-Functional Nursing Manikin XC-409A



- ❖ **This Nursing Manikin can demonstrate the following Basic Nursing Skills:-**
- ❖ Face washing and swab down;
- ❖ Oral cavity nursing;
- ❖ Tracheotomy nursing;
- ❖ Oxygen inbreathe;
- ❖ Nasal feeding;
- ❖ Stomach washing;
- ❖ Intracardiac injection;
- ❖ CPR first aid;
- ❖ Mammary nursing;
- ❖ Thoracic puncture;
- ❖ Deltoid subcutaneous injection;
- ❖ Vein injection;
- ❖ Vein puncture;
- ❖ Vein transfusion;
- ❖ Female catheter;
- ❖ Female clyster;
- ❖ Gluteus intramuscular injection.
- ❖ Liver puncture;
- ❖ Celiac puncture;
- ❖ Medulla puncture;
- ❖ Lumbar puncture;
- ❖ Deltoid puncture;

MULTI-FUNCTIONAL BASIC NURSING MANIKIN (MALE) SI/NM-700



- ❖ This full body life-like Male manikin is specifically designed for professional nursing training. The quality of this manikin will provide many sessions of training when used with reasonable care. This multi-functional simulator can easily be assembled, well shaped appearance and correct anatomical landmarks which also shows the rib of the manikin. Below nursing skills can be practiced:
- ❖ Head care : hairwashing, face washing, oral cavity care.
- ❖ Bed bathes, dressing and undressing
- ❖ Patient moving, bedspread changing for bedridden patient
- ❖ Tracheotomy care
- ❖ Oxygen inhalation
- ❖ Nasal Feeding
- ❖ Gastric Lavage
- ❖ Intracardiac Injection
- ❖ External Cardiac resuscitation maneuver method
- ❖ Pneumothorax
- ❖ Thorax Puncture
- ❖ Liver Puncture
- ❖ Lumbar Puncture
- ❖ Deltoid Injection
- ❖ Deltoid subcutaneous Injection • Veni-puncture and Intravenous injection
- ❖ Male Catheterisation
- ❖ Buttock muscle injection

Multi-Functional Nursing Simulator (Male) ZX-NS6001



- ❖ Designed according to the demand of the clinical principles and the guidelines of nursing training. This multifunctional simulator could simulate an actual circumstance for practice. Multiple functions, rural practice, easy assembly, well shaped appearance and correct anatomical landmarks provides a very good training for practice of below Head Care
- ❖ Body care
- ❖ Patient moving
- ❖ Different lying pose
- ❖ Bilateral and Unilateral oxygen inhalation
- ❖ Atomization inhalation therapy
- ❖ Nursing skills:
- ❖ Nasal Feeding
- ❖ Enema Treatment
- ❖ Simulator Assembly
- ❖ Gastric lavage training
- ❖ Intravenous Injection
- ❖ Intramuscular Injection
- ❖ Hypodermic Injection
- ❖ Various fistulae orifice washing practice
- ❖ Male Catheterization
- ❖ Male Bladder Washing

Multi-Functional Nursing Simulator (Female) ZX-NS6002



- ❖ Designed according to the demand of the clinical principles and the guidelines of nursing training. This multifunctional simulator could simulate an actual circumstance for practice. Multiple functions, rural practice, easy assembly, well shaped appearance and correct anatomical landmarks provides a very good training for practice.
- ❖ Head Care
- ❖ Body care
- ❖ Patient moving
- ❖ Different lying pose
- ❖ Bilateral & Unilateral oxygen inhalation
- ❖ Atomization inhalation therapy
- ❖ Nasal Feeding
- ❖ Gastric lavage training
- ❖ Intravenous Injection
- ❖ Female Catheterization
- ❖ Female Bladder Washing
- ❖ Enema Treatment
- ❖ Simulator Assembly
- ❖ Intramuscular Injection
- ❖ Hypodermic Injection
- ❖ Various fistulae orifice washing practice

Multi Functional Elder Nursing Manikin ZX-NS1088

- ❖ Elder people manikin realistic body characteristics
- ❖ Flexible limbs
- ❖ Catheterization (male/female exchangeable)
- ❖ Gastric tube
- ❖ Gastric lavage
- ❖ Atomizing inhalation therapy
- ❖ Prostate examination
- ❖ Breast care
- ❖ Enema, stoma fistula, tracheotomy



Full-functional Elderly Nursing Manikin (Female) GD/H220B

- ❖ The manikin is designed according to the physiological characteristic of female old people for basic clinical nursing training. The product consists of full-body female elderly manikin and non-invasive blood pressure simulator; with about 50 kinds of nursing functions, made of imported PVC material, fine quality, environmental protection, realistic shape as human, easily washable; these help nursing workers understand and care for old people during the nursing process.



Basic nursing functions:

- ❖ Pupil observation, Bilateral pupil states; normal, mydriasis
- ❖ Eye and ear washing and administering
- ❖ Removal and insertion of hearing aid
- ❖ Oral cavity and artificial teeth care
- ❖ Endotracheal intubation, automatically monitor whether the tracheal intubation is correct or not through sensor, support auscultation to detect intubation site
- ❖ Incision of trachea nursing
- ❖ Sputum suction, oxygen inhaling, Oral and nasal feeding
- ❖ Gastric lavage, Venipuncture, injection, transfusion (arm)
- ❖ Deltoid subcutaneous injection, vastus lateralis injection
- ❖ Thoracic cavity, abdominal cavity, liver, bone marrow & lumbar puncture
- ❖ Breast nursing, mammary gland examination
- ❖ Enema
- ❖ Male / Female urethral catheterization
- ❖ Male / Female bladder irrigation
- ❖ Stoma drainage, Colostomy, Buttocks intramuscular injection
- ❖ Large area of sacral ulcer
- ❖ Cancer tumor contrast, Cleavage lines contrast
- ❖ Holistic nursing: sponge bath, replacing clothes, cold and hot therapy
- ❖ Realistic limbs joint, stiff simulate joints, trunk may lean forward, can sit in the wheelchair
- 1) Trunk - rotation, flexibility
- 2) Neck - rotation, flexibility, lateral curvature
- 3) Shoulder and buttock - extension, abduction, flexibility
- 4) Elbow - internal rotation, external rotation
- 5) Knee - internal rotation, external rotation
- 6) Wrist - internal rotation, flexibility, stretching, bending
- 7) Ankle - inversion, eversion, extension, abduction
- ❖ Non-invasive blood pressure measurement
- 1) Systolic and diastolic pressure may be set individually in steps of 1mmHg
- 2) Systolic pressure 0-300mmHg, diastolic pressure 0-300Hg
- 3) Korotkoff sound volume in ten steps, 0-9
- ❖ Diabetes foot nursing

NURSING MANIKIN



Basic Combination Nursing Manikin GD/H100S



- ❖ Full-body lifelike manikin.
- ❖ Designed for professional nursing training.
- ❖ It provides wide range of exercises possible including both first aid and emergency situations.
- ❖ Nursing Skill:-
- ❖ Bed bathes, dressing and undressing
- ❖ Hair washing, face washing
- ❖ Irrigation of the eyes and ears
- ❖ Oral cavity care
- ❖ Oxygen inhalation
- ❖ Nasal feeding
- ❖ Lavage
- ❖ Oral cavity nasal cavity intubation
- ❖ Venipuncture & injection, transfusion
- ❖ Deltoid injection
- ❖ Urethral Catheterization for male & female
- ❖ Irrigation of bladder for male and female
- ❖ Gluteus injection
- ❖ Ostomy irrigation.
- ❖ Organs structure of abdominal cavity.
- ❖ Tracheotomy care
- ❖ Organs structure of Thorax,

Advanced Nursing & Wound Care Manikin (Male) GD/H120A



- ❖ Full-body lifelike male manikin.
- ❖ Specifically designed for professional nursing training.
- ❖ High quality manikin provides wide range of exercises possible including both first aid and emergency situations.
- ❖ Head care: hair washing, face washing
- ❖ Irrigation of the eyes and ears
- ❖ Oral cavity care
- ❖ Oral cavity and nasal cavity intubation
- ❖ Oxygen inhalation
- ❖ Oral and nasal feeding
- ❖ Lavage
- ❖ Organs structure of thorax
- ❖ Venipuncture and injection, transfusion,
- ❖ Deltoid injection
- ❖ Puncture of thorax, abdominal cavity, liver, medulla and lumbar
- ❖ Enema
- ❖ Urethral Catheterization for male and female
- ❖ Irrigation of bladder for male and female
- ❖ Ostomy irrigation
- ❖ Gluteus injection
- ❖ Organs structure of abdominal cavity
- ❖ General care, bed bathes, dressing and undressing
- ❖ Wound care: disinfection, dressing change, binding, hemostasis.
- ❖ Trauma parts;
 - a. The suturing care for the wound on the chest wall
 - b. The suturing care for the wound on the abdomen
 - c. The suturing care for the wound on the thigh
 - d. The care for the bruise of the skin of the thigh
 - e. The care for the infectious ulceration
 - f. The care for the foot gangrene
 - g. Wound of forearm amputation
 - h. Wound of calf amputation

CPR MANIKINS & AED TRAINER

Infant Obstruction and CPR Model ZX-CPR1500



- ❖ Simulating airway obstacle, practice back smacking method and chest finger press method.
- ❖ Basic CPR operation practice, artificial respiration and chest compression.
- ❖ Realistic chest rise and fall.
- ❖ Lifelike body scale and accurate anatomical structure, touchable breastbone and ribs.

Prac-Baby

Pb001

- ❖ **The most lifelike infant manikin:** Suitable for performing correct infant CPR, adapting to training to training needs.
- ❖ **Perform realistic breathing:** Excellent performance during practice with pediatric resuscitator.
- ❖ **Guedel cannula:** It allows the practice of a guedel cannula placement.
- ❖ **Feedback audible:** The selector gives the option of practice sessions with or without clicking.
- ❖ **AED training:** Pads do not leave residue on the skin.

Advanced Infant CPR Training Manikin

ZX-CPR1600

- ❖ Implement Standard: the 2010 A1-IA (American Heart Association) Guidelines or CPR & ECC.
- ❖ The manikin is designed in accordance with the anatomical structure and characteristics of infant. It could practice infant CPR.
- ❖ Correct or incorrect compression and ventilation could be indicated by the indicator light.

(1) The correct depth is indicated by the green LED strip lights.

(2) The incorrect depth would be demonstrated by the yellow LED strip lights.

(3) The corresponding indicator light would be on when airway opened.

- ❖ **Artificial ventilation:** The manikin could make mouth-to-mouth ventilation with both infant nose and mouth covered by operator's mouth.

(1) The proper ventilation volume is 30-50 ml, it would be indicated by the LED strip lights which would turn in green color then.

(2) Ventilation volume less than 30 ml, the LED strip lights would turn yellow to indicate the insufficient volume.

(3) Ventilation volume more than 50 ml, the LED strip lights would turn red to indicate the excessive volume.

Neonatal Endotracheal Intubation Model ZX-FA6248



- ❖ New born male baby, realistic texture.
- ❖ Practice intubation via oral cavity.
- ❖ Chest movement for testing correct intubation.
- ❖ Basic CPR skill practice.



Advanced Full Functional Neonatal Nursing & CPR Manikin GD/FT335

- ❖ The product is designed according to the standard size of new born baby, which allows neonatal nursing operation and CPR and Airway management Training.
- ❖ Basic nursing operating : bathing change/wear clothes, cold and heat therapy, washing face, oral cavity nursing, ear irrigation, umbilical care;
- ❖ Venous puncture/infusion : venae temporales superficialis, right arm vein, etc;
- ❖ Airway management: Realistic oral, nose, tongue, gums, pharynx, Larynx, esophagus, epiglottis, trachea; oral and nasal tracheal intubation; sputum suction oxygen inhalation;
- ❖ CPR : multiple ventilation ways such as mouth to mouth, bag respirator to mouth; compression and inflation frequency prompts; judge whether the inflation volume and compression depth is right or not; compression and inflation training can be carried out at the same time or can be undertaken separately.



Full-Functional Child CPR and Nursing Manikin (5 Years) with monitor GD/FT334



- ❖ General care: Skin care (e.g. wear and change clothes), mouth care, ear, irrigation, bandaging training, changing diapers, cold and hot therapy;
- ❖ Venous puncture/transfusion: dorsal vein of hand, femoral vein, dorsal vein of foot Intramuscular injection: bilateral deltoid, bilateral vastus lateralis
- ❖ Subcutaneous injection: the subcutaneous of lateral thigh Bone marrow puncture: distinct body markings; practice tibial puncture; outflow of simulated bone marrow shows proper puncture operation;
- ❖ Gastric intubation: detect tube position by means of abdominal auscultation; an practice abdominal compression, gastric lavage etc. aspiration of gastric fluid indicates proper intubation;
- ❖ Urethral catheterization: replaceable male/female perineum, practice male/female urethral catheterization Leucotomy, bladder stimulation
- ❖ CPR operation training: Support multiple ventilation ways: mouth to mouth, mouth to nose, BVM to mouth; electronic monitoring of inflation frequency, volume compression number, frequency and depth; can only practice inflation compression.

CPR MANIKINS



Advanced Child CPR Training Manikin with Monitor ZX-CPR1700

- ❖ Child CPR manikin with LED lights monitor.
- ❖ Air drive ensor monitor indicate practice.
- ❖ Airway occlusion/open.
- ❖ Manual carotid pulses through pulse bulb.
- ❖ Ventilation through mouth to mouth or pocket mask, volume indication.
- ❖ Chest compression depth indication.



AED Trainer AED01

- ❖ The AED Trainer with Replaceable Language/Scenario Card is designed to effectively train emergency responder in the use Of an Automated External Defibrillator (AED). This training unit provides a variety of pre-programmed scenarios to help responders become familiar with an AED and allow them to demonstrate the basic skills necessary to use an AED in an emergency.
- ❖ AED Trainer provides simulated shock delivery. It has no high-voltage capabilities, and cannot deliver a shock, thereby ensuring safety during training.

CPR Training ManikinAdvance (Torso) MB001B+ (AD)

- ❖ Two in one simulator - Adult/Child
- ❖ Exclusive three position selector dial
- ❖ Breathing function : Real-like system
- ❖ Jaw thrust maneuver
- ❖ AED compatible (AED not included)
- ❖ Ultra hygienic
- ❖ Unique one-way valve
- ❖ Realistic opening of airway
- ❖ Clicking sound to check correct compression depth
- ❖ Accessories include Travel Bag.

CPR Training ManikinAdvance (Torso) Mb001 (AD)

- ❖ MB001 (AD) same above but without accessories.



Advanced Half-Body CPR Training Manikin with Monitor ZX-CPR2000

- ❖ Implement Standard: The 2010 AHA Guidelines for CPR and ECC.
- ❖ This new designed CPR Training manikin has Correct anatomical landmarks, skin-touch feeling, lifelike colour, rural shape, durable material provides a good practice experience for students.
- ❖ In the Monitor lights display the compression depth and ventibtiostrength.



Advanced Half Body CPR Training Manikin with Light ZX-CPR1950

- ❖ Operation Standard: AHA 2010 Guidelines for CPR & ECC
- ❖ This product is developed and produced by professionals in the purpose of providing an improved and convenient CPR training manikin for medical college, hospital and department of health's training program;
- ❖ Accurate anatomical landmark, realistic texture, durable, resistance to deform and convenient to disassembly & assemble
- ❖ Compression indication: Suitable Strength (depth>5cm) in correct position, the green light turns on. And a buzzing sound comes out. Wrong compression position, red light turns on.
- ❖ Insufficient strength, yellow light turns on and a buzzing alarm comes out.



Half Body CPR Training Manikin without Light ZX-CPR1900

- ❖ This product is developed and produced by professionals in the purpose of providing an improved and convenient CPR training manikin for medical college, hospital and department of health's training program;
- ❖ Accurate anatomical landmark, realistic texture, durable, resistance to deform and convenient to disassembly & assembly.
- ❖ Standard-procedure-and cautions:- In training mode, compression and ventilation don't have to be practiced in order. -When used for examination, operate in compliance with AHA 2010 CPR & ECC standards. Repeat 5 rounds.
- ❖ Compression indication: - Correct Strength : In correct position, a high tone buzzing sound for indication. - Insufficient strength (depth < 5cm), a low tone buzzing sound for indication.



Adult CPR And Intubation Training Manikin Half-Body with Monitor GD/J158C

- ❖ Implement standard: AHA (American Heart Association) 2015 guideline for CPR and ECC Features:
- ❖ Pupil response: Bilateral pupils contrast observation
- ❖ Carotid artery response: pinching pressure the ball to simulate carotid pulse;
- ❖ Chest compression
- ❖ Standard airway open
- ❖ Feasible three ways to open the airway: lift jaw with head back, lift the head and neck, lift jaw by hands
- ❖ Mouth resuscitation and ventilator-assisted breathing, effective artificial respiration has visible chest rise
- ❖ Simulate laryngeal mask airway and composite cannula can be inserted into the airway
- ❖ Verify endotracheal intubation correct or not: a catheter inserted into the trachea, lungs will swell (plastic bladder) when inflated; if the catheter is inserted by mistake esophagus, stomach will swell when inflated (plastic pouch).



- ❖ Observed pulmonary respiration
- ❖ Artificial ventilation.
- ❖ Oral or nasal intubation and esophageal intubation
- ❖ Open the airway and practise from resuscitator bag to breathing mask or from resuscitator bag to the cannula.
- ❖ Respiratory tract is simple and can be replaced
- ❖ Easy to carry, suitable for field training.

CPR MANIKINS



Advanced CPR Training Manikin with Monitor and Printer ZX-CPR3000



- ❖ Full Body CPR Manikin with LED light Monitor (built in printer)
- ❖ Airway status indication on monitor
- ❖ Manual carotid pulses through pulse bulb
- ❖ Ventilation through mouth to mouth or pocket mask, volume indicated on monitor
- ❖ Chest compression, pressing position and depth indicated on monitor
- ❖ Practice indication comply with the latest AHA CPR & ECC Guideline
- ❖ Interchangeable pupils for vital signs observation
- ❖ Three training models: Free Practice, AHA standard practice, Examination (system auto score in examination mode print out)
- ❖ Print out practice briefing, examination result.

Advanced Adult CPR Training Manikin GD/CPR 10280



- ❖ This simulation of Adult Model is designed according to the International CPR standard. In this model there is Light Indicator Display for Correct and Incorrect Artificial Respiration (Mouth-to-Mouth).
- ❖ There is light Indicator Display for Correct compression position display, Wrong Compression position display, digital counter.
- ❖ This model Simulate the patient revival through first aid by measures of Heart Pressure and Mouth-to-Mouth respiration.
- ❖ This model also shows whether the operation is correct or not by Light Indicator, Audio Prompting and Grade Printing. An Ideal model for use in Hospital, Medical College and Nursing Training Institutes.

MEDICAL MODELS

Advanced Trauma Simulator GD/J110



- ❖ Washing, disinfection, hemostasia, enswathement etc.
- ❖ Open fracture, truncation trauma Features of Advance trauma manikin:
- ❖ Facial burn: I, II, III degree
- ❖ Laceration in forehead
- ❖ The wound in jaw
- ❖ Opened clavicular fracture and contusion wound on the chest
- ❖ The wound in abdomen with small intension evisceration
- ❖ Opened humerus fracture of right upper arm
- ❖ Opened fracture of right hand (including parenchyma laceration, fracture and bone tissue exposure)
- ❖ Compound femur fracture of left thigh
- ❖ Metal pricking wound in right thigh
- ❖ Opened tibia fracture of right leg
- ❖ Opened fracture of right foot with truncating trauma on small phalanx
- ❖ Burns in left forearm: I, II, III degree
- ❖ Truncating trauma on left thigh
- ❖ Closed tibia fracture of right leg & contusion wounds in left ankle & foot.
- ❖ Gun wound in the right palm
- ❖ Opened fracture of right thighbone

Advanced Trauma Manikin ZX-FA6806



- ❖ Complete nursing skill training functions
- ❖ Equipped with trauma evaluation components, life like texture, practice cleaning, sterilizing stop bleeding and bandaging:
- ❖ Facial burn degree I, II, III
- ❖ Forehead open wound
- ❖ Jaw trauma
- ❖ Open fracture of clavicle and chest contusion
- ❖ Abdominal trauma with exposed small intestine
- ❖ Right arm humerus open fracture
- ❖ Right hand open fracture, soft tissue laceration
- ❖ Right thigh composite femoral fracture
- ❖ Right thigh sharp metal stab wound
- ❖ Right leg open compound fracture
- ❖ Right feet compound fracture, little toe truncation
- ❖ Left arm burn degree I, II, III
- ❖ Left thigh truncating trauma
- ❖ Leg amputation
- ❖ Thigh muscle injury
- ❖ Left hand bullet wound

MEDICAL MODELS



Advanced Trauma Evaluation Model ZX-FA6805



- ❖ 16 trauma components, life like texture, practice cleaning, sterilizing, stop bleeding and bandaging
- ❖ Trauma components include :
- ❖ Facial burn degree I, II, III
- ❖ Forehead open wound
- ❖ Jaw trauma
- ❖ Open fracture of clavicle and chest contusion
- ❖ Abdominal trauma with exposed small intestine
- ❖ Right arm humerus open fracture
- ❖ Right hand open fracture, soft tissue laceration
- ❖ Left hand bullet wound
- ❖ Right thigh composite femoral fracture
- ❖ Right thigh sharp metal stab wound
- ❖ Right leg open compound fracture
- ❖ Right feet compound fracture, little toe truncation
- ❖ Left arm burn degree I, II, III
- ❖ Left thigh truncation trauma
- ❖ Leg amputation
- ❖ Thigh muscle injury

Standard Patient for external fixation Training Simulation in first Aid of Limb Fracture GD/J112



- ❖ Made of imported silicone rubber material after injection molding. Can simulate trauma of head and limbs closed fracture.
- ❖ Can help students understand fracture symptoms such as deformity, bone friction and abnormal movements and carry out diagnosis and treatment. Can help the trainee master cleaning, disinfection, binding up, fracture reduction and fixation and handling operation of fracture trauma in practice. Has great clinical significance in surgical trauma emergency skill training.
- ❖ Vivid fracture trauma simulation Modular accessories can be replaced conveniently. One of ideal products for surgical trauma emergency rescue skills training.
- ❖ Suitable for practice training in medical colleges, nursing colleges and training teaching in clinical popularization among primary level health departments.

MEDICAL MODELS



Surgical Suturing and Bandaging Simulator GD/LV18



- ❖ The simulator provides commonly used surgical incisions, which simulate all kinds of female thoracic and abdominal incisions, tube drains and amputation stump. Students can practice various treatments of washing, disinfect, changing dressing, bandaging and etc. The skin is dry, soft and flexible, allowing the bandages to adhere better.
- ❖ Thyroidectomy
- ❖ Mid-sternal split - with two chest tube drains
- ❖ Right mastectomy - with simulated drain
- ❖ Right cholecystectomy - with simulated T-tube
- ❖ Laparotomy
- ❖ Appendectomy
- ❖ Left colostomy
- ❖ Right ileostomy
- ❖ Abdominal Hysterectomy (Transverse incision)
- ❖ Left nephrectomy (thoraco-abdominal incision)
- ❖ Right nephrectomy (oblique incision)
- ❖ Laminectomy
- ❖ Sacral decubitus ulcer - stage 2
- ❖ Right thigh amputation stump

Forearm Pad For Intravenous Injection ZX-NS6012



- ❖ Wearable design
- ❖ Replaceable skin and blood vessel
- ❖ Venipuncture
- ❖ I.V., transfusion, blood sampling, etc.
- ❖ Realistic feedback, blood back flow
- ❖ Repeating practice on same spot

Intradermal Injection Pad ZX-NS6016



- ❖ 30 injection spots
- ❖ Plastic stand
- ❖ Intradermal injection
- ❖ Realistic feedback, similar to negative result in skin test
- ❖ Allow repeating practice

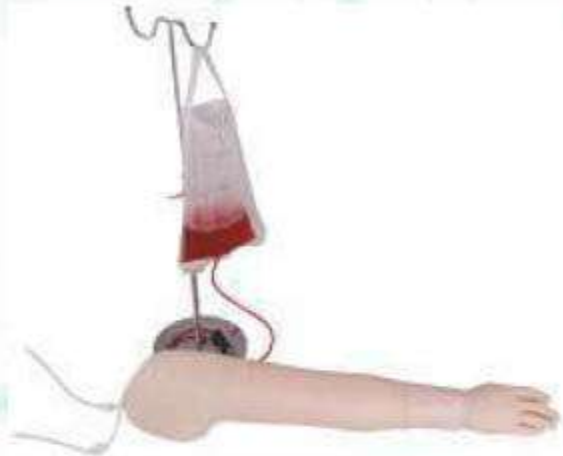
Multifunctional Injection Pad ZX-NS6018

- ❖ Rotation design allow shift used part away and increase use life of the model
- ❖ Plastic base
- ❖ Intramuscular injection
- ❖ Intradermal injection: realistic skin test feedback
- ❖ Hypodermic injection



Multifunctional Intravenous Injection Arm Model ZX-NS6005

- ❖ The simulator simulates an adult arm, with veins and arteries attached inside. The durable material helps to make a very good skin-touch feeling. The anatomical landmarks are correct.
- ❖ Various Intravenous injection training could be practiced through the veins attached to this simulator, including cephalic vein, basilic vein, median cubital vein, median antebrachial vein, and dorsal venous rete of hand.
- ❖ Intramuscular and Hyperdermic Injection trainings could be practiced in the deltoid area.
- ❖ The sleeve in upper arm provides various injection positions for practice.
- ❖ Skin and Veins have spare parts for replacement after plenty of times practice.



Multifunctional I.V. Training Arm GD/HS2

- ❖ This adult vein puncture and Injection Training Arm has all the 8 veins of the vascular system of the arm, it helps to provide a good training of injection, infusion & phlebotomization.
- ❖ This model can provide a real life like feel when the students practice on this model.

Child IV Training Arm GD/HS8

- ❖ Simulate the arm of child (4 years old)
- ❖ Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy.
- ❖ Size : 64x14x10.5 cm.
- ❖ Gross weight: 4 kg.



Full-functional Vein Injection Arm GD/HS39



- ❖ Venous access: Basilic V Cephalic V Digital V Dorsal Metacarpal V Median Basilic V Accessory Cephalic V Extensive venipuncture system Median Antebrachial V Median Cephalic V Median Cubital V Thumb V
- ❖ This revolutionary training arm provides complete venous access for IV therapy and phlebotomy, plus sites for intramuscular and intradermal injections. An extensive 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting and introducing OVER the Needle IV Catheters. The venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously. The dorsal surface of the hand includes injectable metacarpal, digital and thumb veins. The antecubital fossa includes the median cephalic, median basilic and median cubital veins. Venipuncture can also be performed along the basilica, cephalic, accessory cephalic and median antebrachial veins. Intramuscular injection may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm. Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region. Intradermal injections using distilled water will create characteristic skin wheals at designated sites on the upper arm.
- ❖ The realism of the Advanced Venipuncture and Injection Arm is truly amazing. The soft, flexible fingers are molded separately with extreme attention to every detail—right down to the fingerprints! Flexion of the wrist helps students to develop manipulate skills. The replaceable skin rolls as the veins are palpated and a discernable "pop" is felt when entering the veins. The molding process reproduces the fine details of the skin to make the arm look and feel alive. Valves in the veins can be seen and palpated on the skin surface.
- ❖ Simulated veins and skins are completely replaceable to keep this training arm looking and working like new. Under normal use, hundreds of injections may be performed before the veins or skins need to be replaced. Complete replacement kits are available and easy to use. To extend the life of the veins and aerosol sealant is available to seal punctures and prevent leakage.

Prostate Inspection Model GD/L63

- ❖ This model provides prostates with tumors in 4 different development periods.
- ❖ The 1st development: Benign, a little big but the prostates still work well.
- ❖ The 2nd development: some hard tubers can be observed in the top right quadrant of prostate. It's the beginning of the tumors.
- ❖ The 3rd development: The tumor is proliferating, and the previous tubers become bumps.
- ❖ The 4th development: The prostates is all replaced by tumors, the surface become more rough harder than before.



Peritoneal Dialysis Simulator GD/L64



- ❖ This model is a specially designed simulator for the medical staff to practise the skill of peritoneal dialysis.
- ❖ Fistula orifice is in the realistic position, and the simulativelique flow out through it.
- ❖ Standard Equipment includes Catheter, Disposable Water- Proof Fabric, Infusion Stand, Liquid Bag, Deluxe Portable Box.

Airway Intubation Model GD/J5S



- ❖ Accurate anatomical marks
- ❖ Oral or nasal cavity intubation
- ❖ Wrong operation, stomach inflation or laryngoscope compressing the teeth will activate warning prompting.
- ❖ One proper pupil & another mydriasis.

Tracheotomy & Endotracheal Intubation Model ZX-FA5058



- ❖ Standard tracheotomy position, touchable trachea for locating cutting position
- ❖ Accurate structure: thyroid cartilage, cricoid cartilage, crico-thyroid membrane
- ❖ Practice percutaneous thyrocricoid puncture, cricothyrotomy, tracheotomy
- ❖ Different cutting v: veal, horizontal, cross shape, "U" shape, reverse "U" shape
- ❖ Replaceable trachea and neck skin.

Suturing Skin Pad with Stand ZX-CS6206



- ❖ Clear skin layers, realistic skin tissue tension Practice cutt, suturing, g, kno, taking out stitches Fixing stand for convenient practice.

Nasal Feeding and Gastric Lavage Simulator ZX-NS6036



- ❖ A well-shaped adult torso. It could practice many skills training via nasal and oral cavity for the nursing of respiratory tract and stomach.
- ❖ Life like clear anatomical structure, include: head, neck, chest real size lungs and stomach
- ❖ Transparent abdominal wall, clear observation of internal organs
- ❖ Oral/nasal cavity intubation
- ❖ Nasal feeding
- ❖ Gastric Lavage: Stomach capacity 500 mL.

Diabetic Foot Nursing Simulator GD/HS19



- ❖ Designed for nursing of foot pathological changes caused by diabetes
- ❖ No. 1, 2, 3 invasive trauma with minor foot infection
- ❖ Display severe foot diseases, such as toe amputation, charcot foot and gangrene etc.
- ❖ Soft and elastic model material, bendable toes.

MEDICAL MODELS



Advanced Surgical Suture Arm GD/LV1



- ❖ Allows student to practice cut, suturing, stitches release, enswathing etc.
- ❖ The elasticity and flexibility of skin allows practice hundreds times.
- ❖ If all the initial wounds have been sutured, student can cut the arm in other place for new training of suturing.

Advanced Surgical Suture Leg GD/LV2



- ❖ This model of Advance Suturing Leg allows student to practice cut, suturing, stitches release, enswathing, etc.
- ❖ The elasticity and flexibility of skin can make it for practice hundreds times.
- ❖ If all the initial wounds have been sutured, student can cut the leg in other place for new training of suturing.

Electronic Catheterizaon & Enema Model with monitor (Unisex) ZX-NS6070



- ❖ Model is adult lower abdomen with genitals (male/female exchangeable)
- ❖ Electronic box monitoring and indicating catheterizaatioprpractice
- ❖ Enema practice.

Gender Exchangeable Catheterizaon Model (Unisex) ZX-NS6044



- ❖ Lower adult body, flexible position
- ❖ Precise anatomical structure
- ❖ Male/female exchangeable
- ❖ Buttock injection
- ❖ Insulin injection
- ❖ Cystostomy nursing.

Decubitus Ulcer Care Simulator GD/H90E



- ❖ 4 stages of ulceration
- ❖ Decubitus ulcer kinds: sinus, corruptionscab, fistula, suturing incision, infeccon, eschar, bone exposure, Herpes & Monilia infection.
- ❖ Incision washing, evaluation&measurement.

Male Catheterizaon Training Simulator GD/H17E



- ❖ General urethral Catheterization process can be operated.
- ❖ There is resistance when advancing the catheter through mucosal fold, bulb of urethra and intra urethral sphincter.

MEDICAL MODELS



Female Catheterizaon Training Simulator GD/H17F



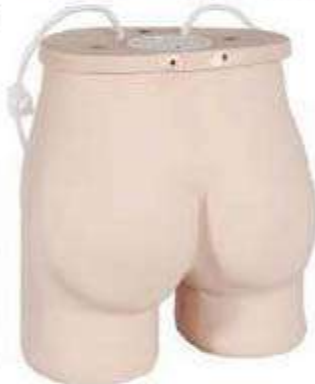
- ❖ General urethral Catheterization process can be operated.
- ❖ There is resistance when advancing the catheter through urethral sphincter.

Adult Intramuscular injection Training Manikin GD/HS10C



- ❖ Stucture of left gluteal : osteal marks, gluteal muscules, ischiadic nerve and veins.
- ❖ Left gluteal can be taken off. So it is easy to observe internal structure and make sure position of ischiadic nerve and veins.
- ❖ Gluteal intramuscular injection training.

Butock Intramuscular Injeconraining Model ZX-NS6028



- ❖ A well-Shaped buttocks of an adult, made of special material, correct anatomical landmarks.
- ❖ Adult butt ck, precise anatomical structure
- ❖ Both sides are suitable for injection practice,realisstitexture
- ❖ Electronic monitoring, indicatng injecton posiion, depth by LED lights and sound alert.
- ❖ Gluteus maximus injecton, allow injecting "portion" onvenient drain outlet
- ❖ Gluteus medius, gluteus minimus.

Breast Inspection Model ZX-GP6620



- ❖ Breast model is implanted with innocent tumour and malignant tumor, allow to practice diagnosing according to the position, size, texture and movement.
- ❖ Model has realistic appearance & precise anatomical structure for inspection practice
- ❖ Model is natural life size.

Breast Examinaon Model GD/F7A



- ❖ Palpation of galactophore malignant tumor, Innocent tumor, lymphaden and lobulus accrementition.
- ❖ In imported thermoplastic.
- ❖ Lifelike shape, skinny, pleasant to touch, durable.
- ❖ Ametabolic under disinfections and cleanout, convenient delivery.

Community Health Bag CHB02

1. Spirit Lamp
2. Test Tube Holder
3. Test Tube 5"
4. Kidney Trays 6" Stainless Steel
5. Syringe 5ml
6. Stethoscope
7. Feotoscope
8. Suture Cung Scissor
9. Dressing Scissor (Big) 6"
10. Forcep Toothed 6"
11. Forcep Non Toothed 5"
12. Artery Forcep (straight) 6.5"
13. Thermometer Clinical
14. Spring Balance
15. Towel
16. Measuring Tape
17. Soap Dish
18. Nail Brush
19. Dropper
20. Small Bowl



COMMUNITY HEALTH NURSING MODELS

COMMUNITY HYGIENE CHB02

- ❖ Made of high grade materials having long durability
- ❖ Mounted on sturdy wooden frame for easy display
- ❖ Supplied with well illustrated informave literature
- ❖ Well labeled parts
- ❖ Beautifully painted in bright colors
- ❖ Model is a great teaching tool for nursing students

- ZX-7101 - Sanitary Well
- ZX-7102 - Insanitary Well
- ZX-7103 - Deep and Shallow Well
- ZX-7104 - Deep Tube Well
- ZX-7105 - Step Well
- ZX-7106 - Berkefeld Filter
- ZX-7107 - Slow Sand Filter
- ZX-7108 - Rapid Sand Filter



ZX-7105

ZX-7106

ZX-7107

ZX-7108

ENVIRONMENTAL SANITATION

CHB02

ZX-7201- House Drainage System

ZX-7202 - Chamber Type Incinerator

ZX-7203 - Activated Sludge Process

ZX-7204 - Bore Hole Latrine

ZX-7205 - Dug Well Latrine (Pit Latrine)

ZX-7206 - Trench Latrine

ZX-7207 - Septic Tank Latrine

ZX-7208 - Biogas Plant

ZX-7209 - Smokeless Chulha



ZX-7201



ZX-7202



ZX-7203



ZX-7204



ZX-7205



ZX-7206



ZX-7207



ZX-7208



ZX-7209

VETERINARY MODELS

Cow Skeleton
ZX-3500E



- ❖ Size : 61x46x07 cm.
- ❖ It shows maxilla, mandible, vertebrae, ribs, humerus, ulna, radius, femur, tibia, patella, phalanges, fibula, pelvis etc.
- ❖ Mounted on wooden board.
- ❖ 33 features marked.
- ❖ Key card / Manual provided.

Dog Skeleton
ZX-3501E



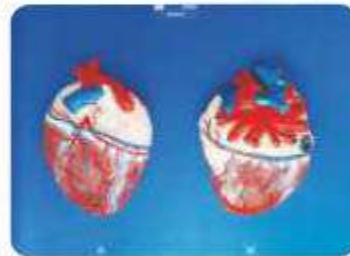
- ❖ Size : 61x46x07 cm.
- ❖ It shows maxilla, mandible, skull, atlas, axis, scapula, ribs, other vertebrae, hand and arm bones, leg & foot bones, pelvis etc.
- ❖ Mounted on wooden board.
- ❖ 35 features marked.
- ❖ Key card / Manual provided.

Fowl Skeleton
ZX-3502E



- ❖ Size : 46 x 61x07 cm.
- ❖ It shows cranium, mandible of bill, orbit, vertebrae, keel, fingers, pygostyle, arm bones, leg bones, ribs, hallux & other digits.
- ❖ Mounted on wooden board.
- ❖ 35 features marked.
- ❖ Key card / Manual provided.

Dog Heart
ZX-3206E



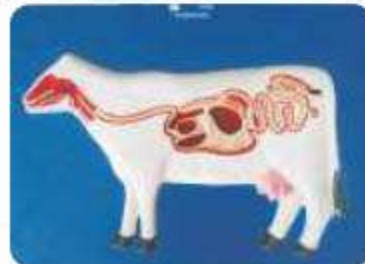
- ❖ Size : 61x46x07 cm.
- ❖ Model is a set of two pieces showing ventral and dorsal aspect of dog heart. • Model shows blood vessels & chambers of dog heart.
- ❖ Mounted on wooden board.
- ❖ 31 features marked.
- ❖ Key card / Manual provided.

Dog Blood Circulaon
ZX-3204E



- ❖ Size : 61x46x07 cm.
- ❖ Model shows important arteries and veins with heart in position of a dog circulatory system.
- ❖ Mounted on wooden board.
- ❖ 47 features marked.
- ❖ Key card / Manual provided.

Cow Digestive System
ZX-3202E



- ❖ Size : 61x46x07 cm.
- ❖ Model shows cow's digestive tract consisting of mouth, oesophagus, complex four compartment stomach, small intestine and large intestine.
- ❖ Mounted on wooden board.
- ❖ 14 features marked.
- ❖ Key card / Manual provided.

VETERINARY MODELS

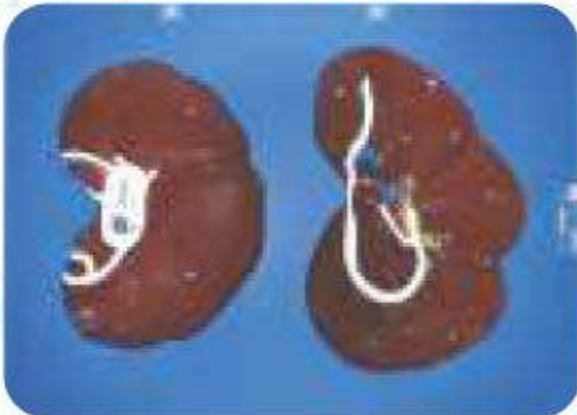


Cow Uterus
ZX-3203E



- ❖ Size : 46 x 61 x 07 cm.
- ❖ It consists of a septate uterine body and two uterine horns. Other structures shown are broad ligament, ovaries, oviducts, bladder, vagina, vestibule, ureter etc.
- ❖ Mounted on wooden board.
- ❖ 21 features marked.
- ❖ Key card / Manual provided.

Dog Liver
ZX-3207E



- ❖ Size : 46 x 61 x 07 cm.
- ❖ Model is a set of 2 pieces showing caudal & cranial aspect of dog liver.
- ❖ It shows different lobes of liver, ligaments, small bladder, bile duct, hepatic artery etc.
- ❖ Mounted on wooden board.
- ❖ 22 features marked.
- ❖ Key card / Manual provided.

Dog Respiratory
ZX-3205E



- ❖ Size : 61 x 46 x 07 cm.
- ❖ It shows dog respiratory system organs such as nose, nasal & sinus cavity, pharynx, trachea, lungs & diaphragm.
- ❖ Mounted on wooden board.
- ❖ 7 features marked.
- ❖ Key card / Manual provided.

Bony Fish General Anatomy
ZX-3208E



- ❖ Life size
- ❖ Model is longitudinally dissected in 5 parts.
- ❖ Details of external features are shown on one side & internal anatomy is shown on other side.
- ❖ Removable parts are magnetically secured in position.
- ❖ 42 features marked.
- ❖ Key card / Manual provided.

DNA Model Kit Dn001

- ❖ Made of Plastic.
- ❖ Size: 10 x 10 x 45 cm.



Smooth Muscle Fibre ZX-1607



- ❖ Block model is a greatly enlarged smooth muscle fibre.
- ❖ The model shows significant structures including sarcoplasm, nucleus, mitochondria, dense body, filaments, autonomic neurons and gap junction.
- ❖ Size: 36 x 25.5 x 13 cm
- ❖ 18 parts labeled in total.

Cardiac Muscle Fibre ZX-1608



- ❖ Block model is greatly enlarged cardiac muscle fibre.
- ❖ The model shows significant anatomical structures such as sarcolemma, nucleus, mitochondria, transverse tubules, cardiomyocytes, sarcoplasmic reticulum, intercalated disc, M line, Z disc & various filaments.
- ❖ Mounted on durable wooden base.
- ❖ Size: 41 x 20 x 19 cm
- ❖ 17 parts labeled in total.

Skeletal Muscle Fibre ZX-1609



- ❖ Block model is greatly enlarged model of skeletal muscle fibre.
- ❖ Model shows various anatomical structures like neuromuscular junction, T tubules, myofibrils, bands, nucleus etc.
- ❖ Mounted on wooden base.
- ❖ Size: 20 x 20 x 19 cm
- ❖ 21 parts labeled in total.

Chloroplast ZX-2100



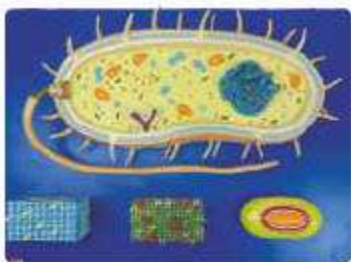
- ❖ Block model is highly enlarged open section of a typical chloroplast.
- ❖ Model shows inner and outer membranes, granum, stroma, DNA, starch granule, Osmiophilic globule and thylakoids.
- ❖ Mounted on sturdy wooden base.
- ❖ Size: 36 x 25.5 x 19 cm.
- ❖ 13 parts labeled in total.

Mitochondria ZX-2101



- ❖ Block model is highly enlarged open section of typical mitochondria.
- ❖ Model shows outer and inner membranes, cristae, ribosomes, matrix, mitochondrial DNA, etc.
- ❖ Mounted on sturdy wooden base.
- ❖ Size: 41 x 21 x 13 cm.
- ❖ 10 parts labeled in total.

Bacterium ZX-2102



- ❖ Model is greatly enlarged bacterium model depicting anatomical complexity of a general prokaryotic cell.
- ❖ The model is a set of 4 models including block models of the cell wall of gram positive and gram negative bacteria, opened bacterial spore showing spore coat & internal structures and main bacterium.
- ❖ Mounted on sturdy wooden base.
- ❖ Size : 55x40x9.5 cm. 34 parts labeled in total.

AIDS Virus ZX-3100E



- ❖ Highly enlarged detailed model of HIV (Human Immunodeficiency Virus) commonly called AIDS virus.
- ❖ Model shows outer lipid membrane with protein structures, internal nucleus with viral RNA.
- ❖ Size : 15 x 15 x 23 cm.

Animal Cell Model ZX-3101



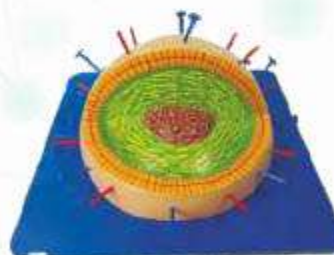
- ❖ Made of high grade synthetic polymer having long durability.
- ❖ Delivered with removable stand.
- ❖ Size: 30x40x10 cm.
- ❖ Well illustrated & informative.
- ❖ 19 parts labeled in total.
- ❖ Beautifully painted in bright colors.

Rabies Virus ZX-3102E



- ❖ Model of rabies virus is enlarged millions of times to show viral RNA, lipid envelope, glycoprotein, polymerase etc.
- ❖ Mounted on wooden base.
- ❖ Size : 35x25x10 cm.
- ❖ 6 parts labeled in total.
- ❖ Model of rabies virus is enlarged millions of times to show viral RNA, lipid envelope, glycoprotein, polymerase etc.
- ❖ Mounted on wooden base.
- ❖ Size : 35x25x10 cm.
- ❖ 6 parts labeled in total.

Influenza Virus ZX-3103E



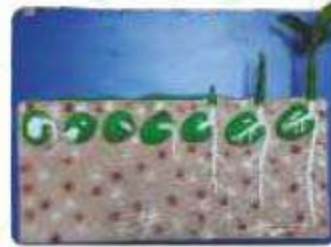
- ❖ This millions of times enlarged model of influenza virus shows lipid envelope, capsid, nucleoprotein, hemagglutinin and neuraminidase.
- ❖ Mounted on wooden base.
- ❖ Size : 35x35x16 cm.
- ❖ 5 parts labeled in total.

BIOLOGY MODELS

Made of Fiber Glass on MDF Board.
Each Model size 60 x 45 cm



Dicot Seed Germination
ZX-2501E



BMB01 Plant Cell

BMB02 Germination of Seed

BMB03 Fertilisation & Angiosperms

BMB04 Plant Cell Meiosis

BMB05 Plant Cell Mitosis

BMB06 L. S. Flower

BMB07 L. S. Ovary

BMB08 T. S. Monocot Root

BMB09 T. S. Dicot Root

BMB10 T. S. Monocot Stem

BMB11 T. S. Dicot Stem

BMB12 T. S. Monocot Leaf

BMB13 T. S. Dicot Leaf

BMB14 Root Tip

BMB15 Life Cycle : Moss

BMB16 Life Cycle : Fern

BMB17 Life Cycle : Fungus

BMB18 Spirogyra

BMB19 Pitcher Plant

BMB20 Funaria Plant

- ❖ Stages of germination (Hypogeal) in pea is shown.
- ❖ Mounted on wooden base.
- ❖ Size: 56x41x9 cm.
- ❖ 8 parts labeled in total.

L.H. of Angiosperm
ZX-2600E



Types of Ovules
ZX-2200E



- ❖ 4 pieces model on board.
- ❖ Model shows anatropous, orthotropous, amphitropous and hemi-anatropous ovules.
- ❖ Size : 45x60x3 cm.
- ❖ 9 parts labeled in total.

- ❖ Model is a set of 19 piece.
- ❖ Model is mounted on board to show the life cycle of an angiosperm.
- ❖ Size : 60x45x3 cm.
- ❖ 13 parts labeled in total.

Monocot Seed Germination
ZX-2500E



- ❖ Stages of germination (Hypogeal) in maize is shown.
- ❖ Mounted on wooden base.
- ❖ Size: 56 x 41 x 9 cm
- ❖ 8 parts labeled in total.

MODELS OF FLOWERS
ZX-2500E



Made of Fiber Glass on stand.
BMF01 Typical Flower
BMF02 Liliaceae Flower
BMF03 Rosaceae Flower



NPK Medivizion

Head office Address : 109, NPK Rd, Golden Park, Shiv
Pratap Nagar, Mahesh Nagar, Ambala Cantt, Haryana

Contact No: 9350316405

Email id: medivizion750@gmail.com