

Anaesthetics

India Pvt. Ltd.



Since 1951



An ISO 9001:2008, ISO 13485:2003 certified &
WHO GMP Compliant company with **CE** certified products



SILICONE RESUSCITATORS



FEATURES

- Components are made from food grade silicone rubber & polycarbonate ; Autoclavable upto 136°C for 5 minutes at approx. 2 bars. Long lasting & resistant to aging, Non-Toxic & Non-Allergic. Maintains its elasticity between -100°C and +250°C. Can also be decontaminated by ETO sterilization or cold sterilization. Oxygen Reservoir Bag may be sterilized by cold sterilization only.
- Transparent polycarbonate nonrebreathing valves and clearhood facemasks facilitate visual monitoring, observation of lips and regurgitation.
- Nonrebreathing "L" valve is designed for low resistance with dead space reduced to 7ml., and allows 360° swivel for changing angle of operation without disturbing the mask/tracheal tube. Pressure relief device with lock & unlock system provided to prevent possible emphysema. The patient end has a standard 15mm/22mm (ID/OD) which connects to all standard masks & 15mm E/T Tube connectors.
- Can be used for long periods without operational fatigue
- Can be disassembled & reassembled in a matter of seconds. Designed for trouble free service. All spare parts are available when necessary as the resuscitators are made indigenously.
- Controlled & spontaneous ventilation possible. Also suitable to administer anaesthesia in conjunction with a draw over type vaporizer.
- Enrichment of oxygen upto 100% possible using Rao's Oxygen Reservoir attachment.



5001

ADULT

5001 - For patients above 30 Kgs.

Set comprises :

1600ml. self inflating double ended silicone bag with mounts incorporating Reservoir valve and side feed oxygen inlet, Type "L" nonbreathing valve with pressure limiting device wherein it will open if the inspiratory pressure is more than 60cms of water (9282), Size 4 Clearhood facemask with silicone cuff (8052), 1.5mtrs oxygen enrichment tubing (5038) & 2600 ml Reservoir bag (5031) all in a carrying case.



5002

LARGE CHILD

5002 - For patients between 20 and 30 Kgs.

Set comprises :

1000ml. self inflating double ended silicone bag with mounts incorporating Reservoir valve and side feed oxygen inlet, Type "L" nonbreathing valve with pressure limiting device wherein it will open if the inspiratory pressure is more than 60cms of water (9282), Size 3 Clearhood facemask with silicone cuff (8051), 1.5mtrs oxygen enrichment tubing (5038) & 2600 ml Reservoir bag (5031) all in a carrying case.



5003

CHILD

5003 - For patients between 7 and 20 kgs.

Set comprises :

500ml. self inflating double ended silicone bag with mounts incorporating Reservoir valve and side feed oxygen inlet, Type "L" nonbreathing valve with pressure limiting device wherein it will open if the inspiratory pressure is more than 40cms of water (9282), Size 0A Circular Paedi All Silicone facemask (8016), Reservoir Hose (5037) with Adaptor (9034) to provide higher oxygen concentrations, 1.5mtrs oxygen enrichment tubing (5038) & 2600 ml Reservoir bag (5031) all in a carrying case.



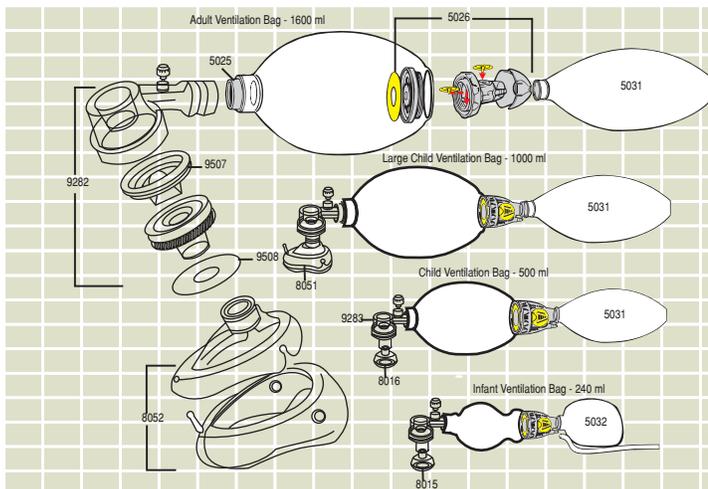
5004

INFANT

5004 - For patients upto 7 kgs.

Set comprises :

240ml. self inflating double ended silicone bag with mounts incorporating Reservoir valve and side feed oxygen inlet, Type "L" nonbreathing valve with pressure limiting device wherein it will open if the inspiratory pressure is more than 40cms of water (9282), Size 0 Circular Paedi All Silicone facemask (8015), Reservoir Hose (5037) with Adaptor (9034) to provide higher oxygen concentrations, 1.5mtrs oxygen enrichment tubing (5038) & 600 ml Reservoir bag (5032) all in a carrying case.



**RAO'S SILICONE RESUSCITATOR
DISASSEMBLY - REASSEMBLY**



5031
5032

Rao's Reservoir Bag - Large - 5031

2600ml. capacity suitable for use with Adult, Large Child & Child, Rao's & Neelam Resuscitators.

Rao's Reservoir Bag - Small - 5032

600ml. capacity suitable for use with Infant, Rao's & Neelam Resuscitators only.

By adding Rao's Oxygen Reservoir Attachment, a high concentration of oxygen can be achieved without excessive consumption.



8113

Corrugated Breathing Tube with Mounts

8113

30 cms x 20 mms & 9020 - 22 mm Hose Mount Pair

Can be used as an extension between the bag and the nonbreathing valve, or to connect the inlet of the bag to drawover vaporiser while administering anaesthesia.



9282

9282

Valve Type "L" with Blow Off - 9282

"L" Valve is a combination of Fishmouth and Flap valves. During inspiration, the fishmouth opens and circular flap closes exhalation port. During exhalation, the fishmouth closes and the circular flap opens directing expired gases through the exhalation port. A pressure limiting device is incorporated into this valve, wherein it will open if the inspiratory pressure is more than 60 cms of water in Adult and Large Child, 40 cms of water in Child and Infant Resuscitator.

Rao's Mouth to Mouth Resuscitator



- Prevents blood, secretions or expired air passing to the administrator from the patient
- Avoids the risk of the administrator from infection with AIDS, HIV, Hepatitis - B and other dangerous viruses
- Can be easily dismantled and sterilised chemically or autoclaved upto 130°C.
- Transparent hood of the facemask allows monitoring of the patient for vomitus, secretion, blood, lip colour and condensation of exhaled moisture.
- Weighs only 110 gms, is small, compact & is virtually unbreakable.

Comprises : One way valve (9284) & Silicone facemask of choice.

CE
1293

LARYNGOSCOPES



Trupti Fibrelite Blades with Flexible Articulating Tip

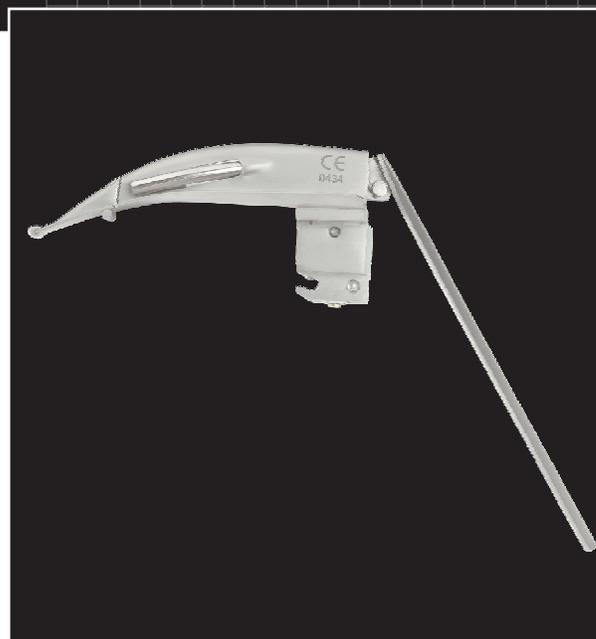
FEATURES

- Articulating tip provides precise control to elevate epiglottis
- Built in channel to help visualise and intubate with an unobstructed view
- Unique anti-seize spring action ensures long life & smooth operation
- Can be used on any standard hook on handle complying to ISO standards, hence no need to buy an additional handle separately
- An Innovative Indigenous Product that guarantees prompt after sales service locally with easily available genuine spares unlike in the case of imported counterparts
- Fully constructed out of Stainless Steel with matt finish

The Handle shown in the picture is sold separately. There is no need to purchase any extra or special handle, as your existing hook-on handle can be used.



Unbeatable
value for money
EASILY AFFORDABLE
even for the
“Just out of College”
Anaesthesiologist.



Trupti Fibrelite Blades (available only in matt finish)

Size	Use	Length	Code
2	Child	100 mm	6522
3	Adult	130 mm	6523
4	Large Adult	155 mm	6524

A Fibre-Optic Laryngoscope Blade That Fits On Your Hook-on Handle !

FEATURES

- Hook-on Handle used with Conventional Blades can be used with Fibrelite Blades also. Hence no need to purchase any extra or special Handle.
- No Trauma causing Hot Bulb
- No possibility of loose bulb entering oral airway
- Cool high power light
- No Electrical Wires in the blade
- No Electrical Switches
- Full Stainless Steel construction
- No Flickering
- Over 3000 fibres bundled together ensures steady, bright & focused beam

The Handle shown in the picture is sold separately. There is no need to purchase any extra or special handle, as your existing hook-on handle can be used.



Macintosh Fibrelite Blades (English Profile)

Size	Use	Length	Code (Shiny)	Code (Matt)
1	Infant	92 mm	N/A	6506M
2	Child	100 mm	N/A	6507M
3	Adult	130 mm	N/A	6508M
4	Large Adult	155 mm	N/A	6509M
5	Extra Large Adult	178 mm	N/A	6510M

Miller Fibrelite Blades

Size	Use	Length	Code (Shiny)	Code (Matt)
0	Neonatal	75 mm	N/A	6516M
1	Infant	102 mm	N/A	6517M



Fibrelite Lamp

6571



Fibrelite Lamp Key

6584



Only Hook-on type Blades & Handles are marketed by us. Fibrelite Blades are only available in Matt finish. All Blades are made from Stainless Steel. All Handles are made from Chrome plated Brass & available in Shiny finish only.

a BRIGHT idea that has LED all the way
Introducing New Green System Fibre Optic Laryngoscope Handles
with An Energy Efficient

Ultra Bright LED Light Source

FEATURES

- Bright LED Illumination provides White light ensuring true tissue color for accurate identification of trachea & landmarks.
- Cool White light as compared to heat emitting yellow light bulb.
- Reliable, over 30,000 hours of light output.
- Energy Efficient, low power consumption means longer battery life.
- Compatibility with all disposable, reusable Green System fibre optic blades.
- Economical; a great value when you compare to our competition.

The Handle shown in the picture is sold separately.



Standard Handle

Accepts two size "C" 1.5 V cells.



6601

Penlite Handle

Accepts two size "AA" 1.5 V cells.



6603

Stubby Handle

Accepts two size "AA" 1.5 V cells.



6602

Howland Lock



6675

Ultra Bright LED



6671



Green System Trupty Blades with flexible Articulating Tip

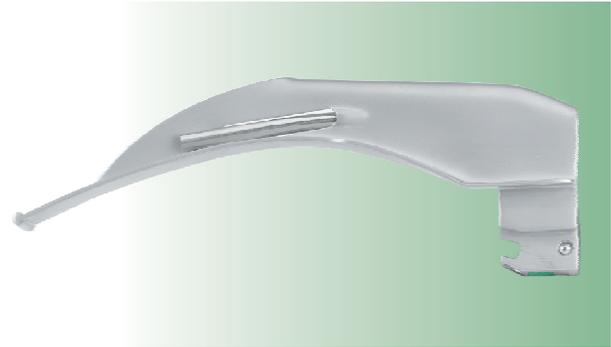
Size	Use	Length	Code
2	Child	100 mm	6722
3	Adult	130 mm	6723
4	Large Adult	155 mm	6724

The Handle shown in the picture is sold separately.

Macintosh Blades American Profile

The American profile with a slightly more abrupt curvature and a flange starting at the lock of the blade and continuing to approximately where the curvature changes direction then disappearing.

Size	Use	Length	Code
0	Neonatal	80 mm	6805
1	Infant	87 mm	6806
2	Child	108 mm	6808
2.5	Large Child	118 mm	6809
3	Adult	128 mm	6810
3.5	Medium Adult	144 mm	6811
4	Large Adult	159 mm	6812



Macintosh Blades English Profile

The Macintosh laryngoscope blade is one of the most popular blades in use today. The English profile has a smooth, gentle curve that extends from the base to the tip and a flange that starts at the lock and continues to the tip, narrowing gradually.

Size	Use	Length	Code
1	Infant	92 mm	6906
2	Child	100 mm	6907
3	Adult	130 mm	6908
4	Large Adult	155 mm	6909
5	Extra Large Adult	178 mm	6910



Miller Blades

One of the most popular of the straight blades. The tongue is straight with a slight upward curve near the tip. In cross section, the flange web and tongue form a C with the top flattened.

Size	Use	Length	Code
0	Neonatal	77 mm	6716
1	Infant	102 mm	6717
2	Child	153 mm	6718
3	Adult	195 mm	6719
4	Large Adult	205 mm	6720



Macintosh Blades American Profile

The American profile with a slightly more abrupt curvature and a flange starting at the lock of the blade and continuing to approximately where the curvature changes direction then disappearing.

Size	Use	Length	Code
1	Infant	87 mm	6966
2	Child	108 mm	6968
3	Adult	128 mm	6970
4	Large Adult	159 mm	6972



Macintosh Blades English Profile

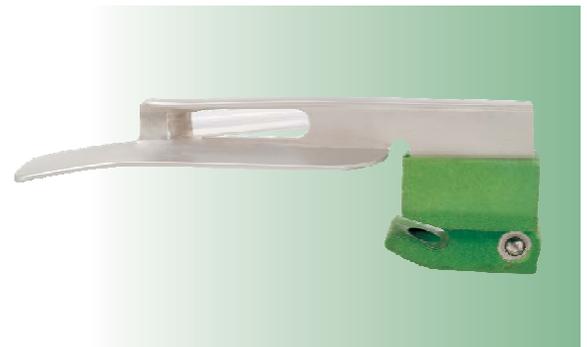
The Macintosh laryngoscope blade is one of the most popular blades in use today. The English profile has a smooth, gentle curve that extends from the base to the tip and a flange that starts at the lock and continues to the tip, narrowing gradually.

Size	Use	Length	Code
1	Infant	92 mm	6956
2	Child	100 mm	6957
3	Adult	130 mm	6958
4	Large Adult	155 mm	6959

Miller Blades

One of the most popular of the straight blades. The tongue is straight with a slight upward curve near the tip. In cross section, the flange web and tongue form a C with the top flattened.

Size	Use	Length	Code
0	Neonatal	77 mm	6916
1	Infant	102 mm	6917
2	Child	153 mm	6918
3	Adult	195 mm	6919
4	Large Adult	205 mm	6920



Macintosh Blades (American Profile)

The American profile with a slightly more abrupt curvature and a flange starting at the lock of the blade and continuing to approximately where the curvature changes direction then disappearing.

Size	Use	Length	Code
0	Neonatal	80 mm	6400
1	Infant	87 mm	6401
2	Child	108 mm	6402
3	Adult	128 mm	6403
4	Large Adult	159 mm	6404



Macintosh Blades (English Profile)

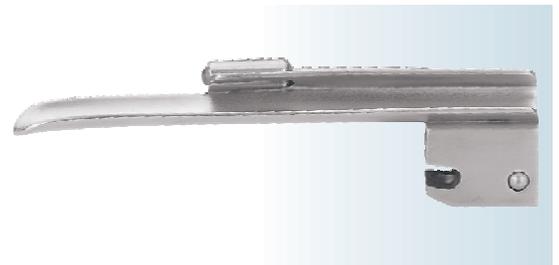
The Macintosh laryngoscope blade is one of the most popular blades in use today. The English profile has a smooth, gentle curve that extends from the base to the tip and a flange that starts at the lock and continues to the tip, narrowing gradually.



Size	Use	Length	Code
00	Premature	70 mm	6411
0	Neonatal	80 mm	6412
1	Infant	92 mm	6413
2	Child	100 mm	6414
3	Adult	130 mm	6415
4	Large Adult	155 mm	6416
5	Extra Large Adult	178 mm	6417

Miller Blades

One of the most popular of the straight blades. The tongue is straight with a slight upward curve near the tip. In cross section, the flange web and tongue form a C with the top flattened.



(English Profile)

Size	Use	Length	Code
00	Premature	57 mm	6431
0	Neonatal	75 mm	6432
1	Infant	102 mm	6433
2	Child	153 mm	6434
3	Adult	195 mm	6435
4	Large Adult	205 mm	6436

(American Profile)

Size	Use	Length	Code
00	Premature	65 mm	6421
0	Neonatal	75 mm	6422
1	Infant	102 mm	6423
2	Child	155 mm	6424
3	Adult	195 mm	6425
4	Large Adult	205 mm	6426

Trupty Blades with Flexible Articulating Tip

FEATURES

- Articulating tip provides precise control to elevate the epiglottis
- Channel to help visualize the epiglottis & facilitate the insertion of an E/T Tube
- Unobstructed View
- Unique anti-seize spring action
- Optimal smooth action
- Precision made for ruggedness & high quality
- Full Stainless Steel construction
- Conventional Lamp type
- Fits on all Hook-on Handles
- Unbeatable Value for money - every private practicing anaesthesiologist, nursing home & hospital can afford to buy.

The Handle shown in the picture is sold separately. There is no need to purchase any extra or special handle, as your existing hook-on handle can be used.



Trupty Blades

Size	Use	Length	Code (Shiny)	Code (Matt)
2	Child	100 mm	6122	6122M
3	Adult	130 mm	6123	6123M
4	Large Adult	155 mm	6124	6124M



Ideally suited for use in patients where difficult intubation may occur. "Trupty" simplifies the elevation of the epiglottis and exposure of the larynx, thereby reducing the force employed.

Applications include situations where forward displacement of the larynx, forward or prominent upper teeth, backward displacement of the tongue, enlarged tongue, decreased neck movement, cervical spine injuries, decreased mouth opening & recessive mandible occur.

Macintosh Blades (American Profile)

The American profile with a slightly more abrupt curvature and a flange starting at the lock of the blade and continuing to approximately where the curvature changes direction then disappearing.

Size	Use	Length	Code
0	Neonatal	80 mm	6705M
1	Infant	87 mm	6706M
2	Child	108 mm	6708M
2.5	Large Child	118 mm	6709M
3	Adult	128 mm	6710M
3.5	Medium Adult	144 mm	6711M
4	Large Adult	159 mm	6712M



Macintosh Blades (English Profile)

The Macintosh laryngoscope blade is one of the most popular blades in use today. The English profile has a smooth, gentle curve that extends from the base to the tip and a flange that starts at the lock and continues to the tip, narrowing gradually.



Size	Use	Length	Code (Shiny)	Code (Matt)
00	Premature	70 mm	6004	6004M
0	Neonatal	80 mm	6005	6005M
1	Infant	92 mm	6006	6006M
2	Child	100 mm	6007	6007M
3	Adult	130 mm	6008	6008M
4	Large Adult	155 mm	6009	6009M
5	Extra Large Adult	178 mm	6010	6010M

Miller Blades

One of the most popular of the straight blades. The tongue is straight with a slight upward curve near the tip. In cross section, the flange web and tongue form a C with the top flattened.

Size	Use	Length	Code (Shiny)	Code (Matt)
00	Premature	57 mm	6015	6015M
0	Neonatal	75 mm	6016	6016M
0.5	Small Infant	88 mm	6014	6014M
1	Infant	102 mm	6017	6017M
2	Child	153 mm	6018	6018M
3	Adult	195 mm	6019	6019M
4	Large Adult	205 mm	6020	6020M



Pouch

6072

Pouch for Laryngoscope Set



Lamp

6071

5/32 BSW, 3BA threaded, 3V DC



Howland Lock

Most laryngoscope blades form a 90° angle with handle when ready for use. When a Howland lock is fitted between the handle and the blade by means of Hook-on connections on both ends, it forms a 45° angle. This change in the angle helps natural lifting action which simplifies natural exposure making intubation possible in the most difficult of cases.

The Handle & Blade shown in the picture are sold separately.



6175

Standard Handle

Accepts two size "C" 1.5 V cells.



6001

Penlite Handle

Accepts two size "AA" 1.5 V cells.



6003

Stubby Handle

Useful during difficult intubation on a short neck, barrel chested or large bosomed patient where the distance between the mouth & the chest restricts the use of a standard handle. Stubby accepts two size "AA" 1.5 volts cells.



6002

CE

INTUBATION INSTRUMENTS



LMA Unique - Disposable

Manufactured by : The Laryngeal Mask Co. Ltd.

Used successfully on millions of patients worldwide, the LMA Unique can be used for a wide range of routine applications ranging from general anaesthesia to emergency use or as a resuscitation device.

- Sterile
- Muscle relaxants not required for mask insertion
- Smooth emergence from anaesthesia
- Minimal haemodynamic response
- Minimal soft tissue and dental trauma
- A secure, hands free airway
- Disposable
- Latex free



LMA UNIQUE is the trade mark of The Laryngeal Mask Company Limited.

Code	7714A	7714B	7714C	7714D	7714E	7714F	7714G
Size	1	1.5	2	2.5	3	4	5
Patient Selection Information	Neonate <5kg	Infant 5-10kg	Child 10-20kg	Child 20-30kg	Child 30-50kg	Adult 50-70kg	Adult >70kg
Maximum Inflation Volume	4ml	7ml	10ml	14ml	20ml	30ml	40ml

Guedel Oropharyngeal Airways

Designed to maintain unobstructed oropharyngeal airway during and following anaesthesia and in patients who are unconscious for other reasons. Reinforced bite blocks are colour coded for instant identification of the sizes; sizes in millimeters & numerals marked on the flange / bite block. Individually wrapped.



Guedel airways - Disposable

Made from plastic for single use only.
7103 - Set of 7 airways comprising
Sizes 000, 00, 0, 1, 2, 3 & 4



Rao's Silicone Rubber Airways

Made from non-toxic silicone rubber, causes virtually no trauma, specially to teeth, will not damage delicate mucosal tissues, avoids teeth getting cracked or abused if patient bites, can be autoclaved upto 135°C.

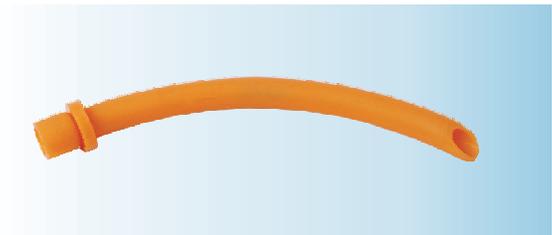
7101 - Set of 4 airways comprising
Sizes 1, 2, 3 & 4
7102 - Set of 3 airways comprising
Sizes 000, 00 & 0

Sizes	000	00	0	1	2	3	4
Length in mm	35	50	55	65	90	100	110
Codes for Disposables	7103A	7103B	7103C	7103D	7103E	7103F	7103G
Codes for Reusable Silicone Rubber	7102A	7102B	7102C	7101A	7101B	7101C	7101D

Nasopharyngeal Silicone Rubber Airways

**7125D-Size 4mm, 7125E-Size 5mm, 7125F-Size 6mm,
7125G-Size 7mm, 7125H-Size 8mm, 7125I-Size 9mm**

Conforms readily to nasopharyngeal anatomy. Smooth rounded edges ensure no damage to nasal passage, practically no trauma when inserted into the nose. Kink resistant. Adjustable stop provided to maintain the exact tube position.



15mm Rao's Tracheal Connectors set (in a box)

7009

Comprises of twenty 15mm Straight Connectors (7008), 15mmX22mm Double Swivel (7005), 15/15 M/M Circuit Adaptor (9041) & 15F Catheter Mount (9021F) - all supplied in a plastic container to keep each in their assigned slots.





Dr. Talwalkar's Fibrelite Stylet & Handle

7225A - Handle

7225B - Fibrelite Stylet Size 14" for Paediatric

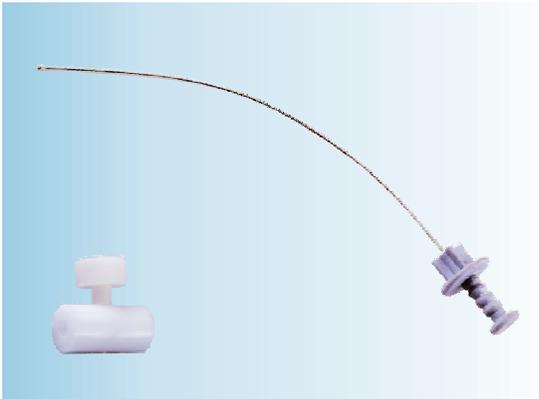
7225C - Fibrelite Stylet Size 18" for Adult

Cordless, lightweight, cool & white light, no hot bulb to cause trauma, useful in patients whose larynx is difficult or impossible to visualise by direct laryngoscopy. Suitable for orotracheal & nasotracheal intubation.

Dr. Talwalkar's Directable Stylet

7207

Curvature change is achievable in Dr. Talwalkar's Directable Stylet when the tube is in the patient & to guide it in the trachea in its right place, unlike other stylets which do not allow the user to manipulate shape of the stylet during intubation. Suitable for nasal or oral intubation and for both red rubber and disposable E/T tubes of 7.5 mm I.D. & above.



Malleable Stylets

7201 - Set of 3 - S.S.

Available in three different sizes Small, Medium & Large to cover the entire range of 2.5mm to 11.00mm tubes. Made from malleable stainless steel, will not form sulphates or oxides or peeling of chromium plating as in stylets made from copper or aluminium. A plastic handle moulded onto the stylet provides an easy & firm grip.

Adjustable Stop for Stylet

7202

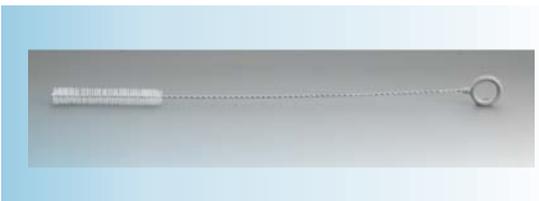
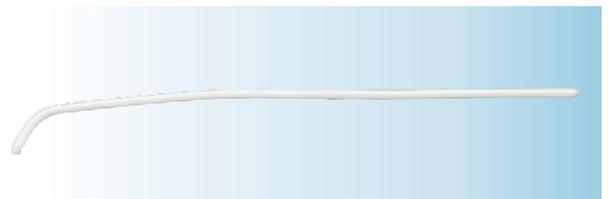
Suitable for all the three sizes of stylets. Prevents unintentional advancement of stylet beyond distal tip of E/T tubes; stylet can be lengthened or shortened by sliding the stop to desired position.

Dr. Talwalkar's Bougie

7210 - Size 4mm X 700mm

7211 - Size 3mm X 500mm

Aids intubation by directing the tip of the E/T tube into the laryngeal inlet when it is difficult to bring the larynx and vocal cords into view. Useful in post extubation or reintroduction of the tube. Tube inserted orally or nasally can be changed using this device.



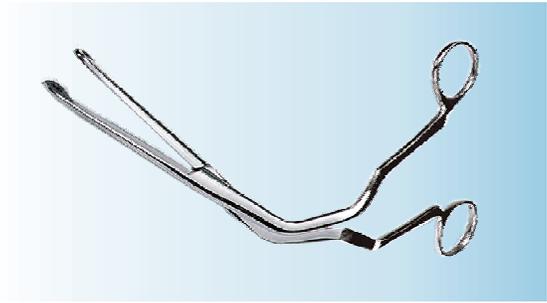
Tube Cleaning Brushes

7200 - Set of 4 sizes - 4,6,8 & 10mm O/D.

Manufactured of stainless steel wire to avoid rusting and durable nylon bristles to extend life.

Magill Forceps

7204 - Size : Adult 7205 - Size : Child 7206 - Size : Infant
For guiding tracheal tubes under direct vision. The handles are specially curved so that operator's hand does not obstruct his view. The forceps are made from stainless steel.



Tooth Protector

7160

In laryngoscopy, damage to teeth or gums is caused by using the teeth as the fulcrum point for the laryngoscope while elevating the epiglottis. Placing the tooth protector on the upper teeth will protect the teeth from damage by contact with flange of the laryngoscope blade and also from getting caught in the gap between teeth.

15mm x 22mm Double Swivel with port

7005 - Polycarbonate

It rotates through 360° both at patient and distal ends. Has 15mm Male at the distal end for breathing circuit and the dual 22mm Male / 15mm Female connection at patient end, suitable for both 15mm E/T straight connectors and face masks. The third end (port) has a seal around cap which has been designed for fibre optic bronchoscopy limb maintaining an airtight breathing system. The rubber cap may be removed for suctioning, if required.



15mm Modified Ayre's "T"

7015

15mm Female on one side for 15mm E/T tracheal connectors, 15mm Male on other end for breathing circuit or keep open for atmospheric air and in the middle a nipple for gas flow. It is very useful to administer oxygen and atmospheric air in addition to its being a component of the J.R. Paediatric circuit.

Dr. Janak Mehta's E/T Tube Holding Band

7602

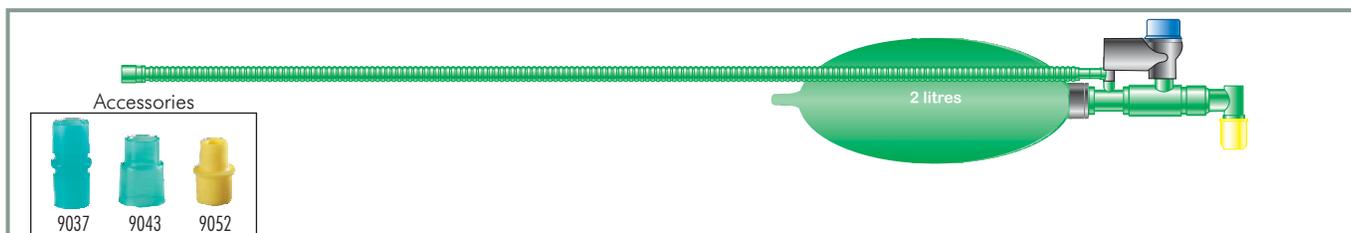
Designed to avoid using adhesive tape for tracheal tube fixation. It is wrapped around the patient's head under slight pulling and is fixed with buttons at the fixation strip. Specially useful for patients with beard or patients with burn or other injuries on the face.



CE

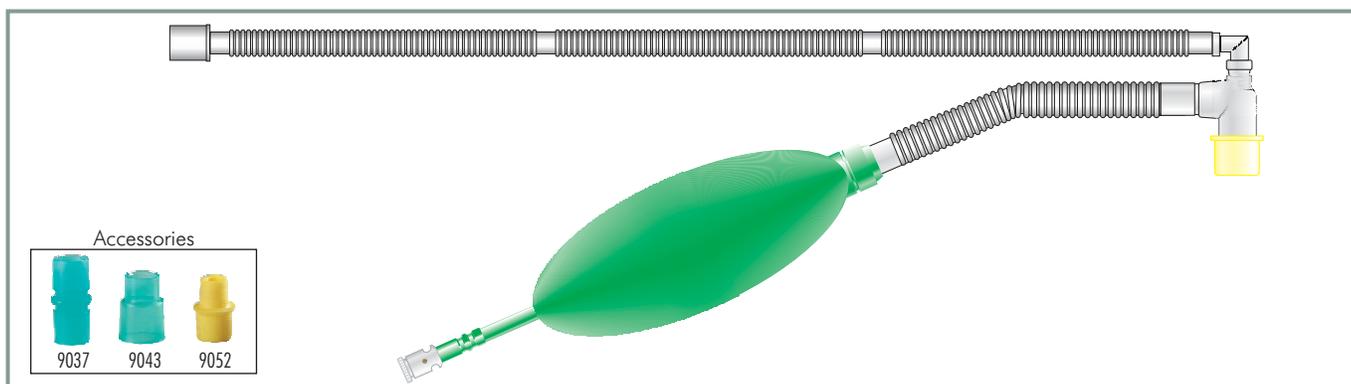
ANAESTHESIA & VENTILATOR CIRCUITS





2029 - Mapleson 'c' type Circuit

Set comprises : 10 mm Corrugated Plastic Hose (2037) x 1.6 mtrs, 22mm Ayre's 'T' piece with swivel (9051), Spill Valve (2056), Safety Cap (2067), 22mm Bag Mount (9022), 2.0 Ltr. Breathing Bag (8204), 10mm/22mm Male/Male Circuit Adaptor (9049), 15mm/22mm Female/Female Circuit Adaptor (9043), 22mm/23mm Male/Male Circuit Adaptor (9037), 15mm/22mm Angle Mount (9004) & 6-9 mm Elastomeric Soft Connectors (9052).



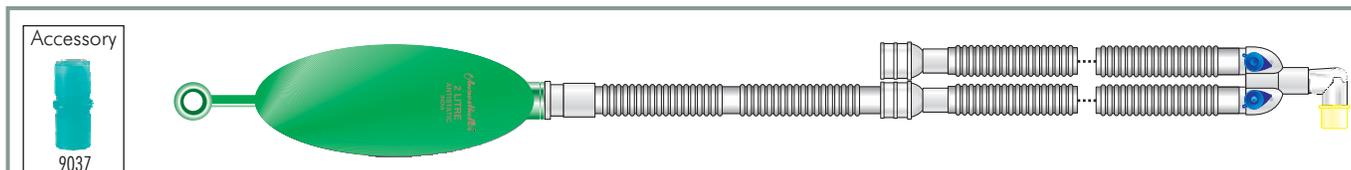
2008 - Anaesthesia Circuit Paediatric - Infant 'T' Piece system

Set comprises : 10mm Corrugated Plastic Hose X 1.6 mtrs (2037), 15mm Corrugated Plastic Hose X 0.4 mtrs (2038), 15mm/22mm Paedi Angle Mount W/Swivel (2062), Safety Cap (2067), 10mm/15mm Male/Male Circuit Adaptor (9049), 0.5 Ltr. Breathing Bag (8201), Bag Bleed Valve (8221), 15mm/15mm Male/Male Circuit Adaptor (9041), 15mm/22mm Female/Female Circuit Adaptor (9043), 22mm/23mm Male/Male Circuit Adaptor (9037) & 6-9 mm elastomeric soft connectors.



2028 - Paediatric Circuit - Jackson Rees 'T' Piece System

Set comprises : 10mm Corrugated Plastic Hose X 1.6 mtrs (2037), 15mm Corrugated Plastic Hose X 0.4 mtrs (2038), 15mm Ayre's 'T' piece with swivel (7014), 15mm/22mm Angle Mount with Luer Lock port (2059), Safety Cap (2067), 10mm/15mm Male/Male circuit Adaptor (9049), 15mm/15mm Male/Male Circuit Adaptor (9041), 0.5 Ltr. Breathing Bag (8201), Bag Bleed Valve (8221), 15mm/22mm Female/Female Circuit Adaptor (9043), 22mm/23mm Male/Male Circuit Adaptor (9037) & 6-9 mm elastomeric soft connectors (9052).



2019 - Anaesthesia Circuit Adult With 2 Port Wye

Set comprises : 22mm Corrugated Plastic Hose X 4 mtrs (5037), 2 Port Wye - Adult (2060), 22mm/22mm Male/Female Circuit Adaptors X 2 (9034), 15mm/22mm Angle Mount (9004), Safety Cap (2067), 22mm/22mm Male/Male Circuit Adaptor x 2 (9033), 2Ltr. Breathing Bag (8204), 22mm/23mm Male/Male Circuit Adaptor (9037).



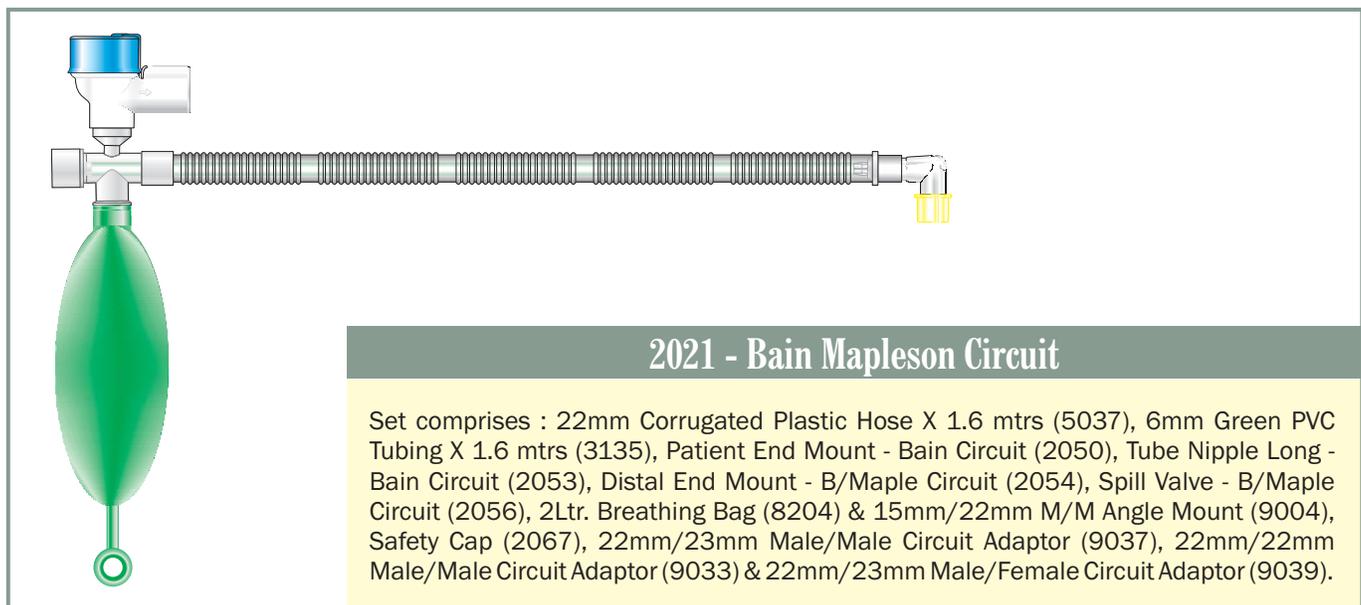
2005 - Bain Circuit

Set comprises : 22mm Corrugated Plastic Hose X 1.6 mtrs long (5037), Patient End Mount (2050), Distal End Mount (2051), Long Tubing Nipple (2053), Short Tubing Nipple (2052), 22mm/22mm Male/Female Circuit Adaptors X 2 (9034), PVC Tubing X 3mtrs. (3135), 2Ltr. Breathing Bag (8204), 22mm/22mm Male/Male Circuit Adaptor (9033), 22mm Heidbrink Expiratory Valve (9200) 15mm/22mm Angle Mount (9004), 23mm/23mm Female/Female Circuit Adaptor (9036), 23mm Male Plug in Mount (9012), 22mm/23mm Female/Female Circuit Adaptor (9038) & 22mm/23mm Male/Female Circuit Adaptor (9039).



2001 - Jackson Rees Paediatric Circuit

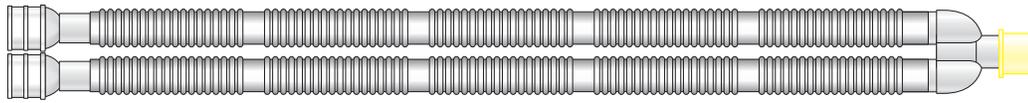
Set comprises : Rendell Baker Soucek Facemasks Sizes 1 & 2 (8031 & 8032), 15mm/22mm Angle Mount (9004), 15mm Ayre's T (7015), 15cm X 11mm Corrugated Rubber Hose (8102) with 15mm M/F Hose Mount pair (9021), 0.5 Ltr. Breathing Bag (8201) with Bleed Valve (8221), 1.5 mtrs PVC Tubing for fresh gas supply (3135), 23mm/23mm Female/Female Circuit Adaptor (9036), 23mm Male Plug-in Mount (9012), 22mm/23mm Female/Female Circuit Adaptor (9038), 22mm/23mm Male/Female Circuit Adaptor (9039), Safety Cap (2067) all in a carrying case (1803).



2021 - Bain Mapleson Circuit

Set comprises : 22mm Corrugated Plastic Hose X 1.6 mtrs (5037), 6mm Green PVC Tubing X 1.6 mtrs (3135), Patient End Mount - Bain Circuit (2050), Tube Nipple Long - Bain Circuit (2053), Distal End Mount - B/Maple Circuit (2054), Spill Valve - B/Maple Circuit (2056), 2Ltr. Breathing Bag (8204) & 15mm/22mm M/M Angle Mount (9004), Safety Cap (2067), 22mm/23mm Male/Male Circuit Adaptor (9037), 22mm/22mm Male/Male Circuit Adaptor (9033) & 22mm/23mm Male/Female Circuit Adaptor (9039).

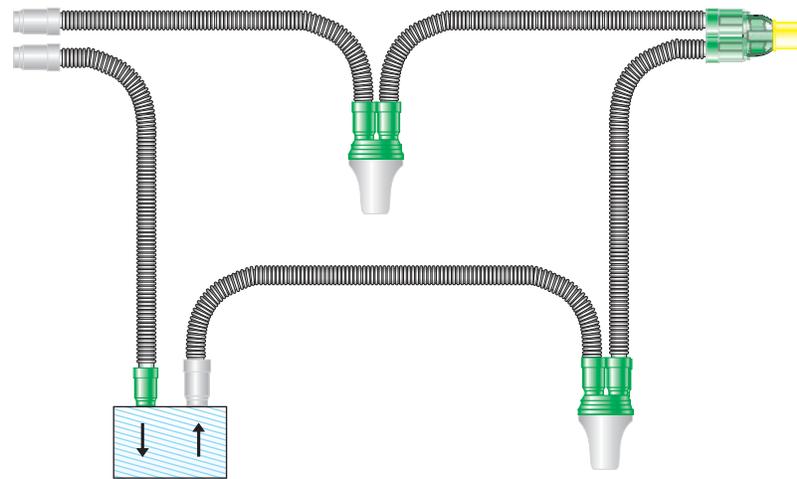
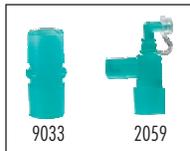
2009 - Ventilator Circuit Plain Adult



For attachment of gas sampling lines with luer lock fittings so that they are secured in place. The entire luer port cap can be removed for suctioning if required.

Set comprises : 22mm Corrugated Plastic Hose X 3.2 mtrs (5037), Fixed Wye Adult (9032), 22mm/22mm Male/Female Circuit Adaptors X 2 (9034), Angle Mount with Luer Lock Port (2059) & Safety Cap (2067).

Accessories

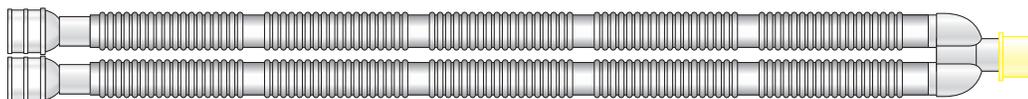


2009DW - Ventilator Circuit Adult With 2 Water Trap & Limb with Humidifier attachment

Set comprises : 22mm Corrugated Plastic Hose X 3.8 mtrs (5037), 2 Port Wye - Adult (2060), 22mm/22mm Male/Female Circuit Adaptors X 2 (9034), 22mm/22mm Male/Male Circuit Adaptor (9033), Water Trap (2701) x 2, Angle Mount with Luer Lock port (2059) & Safety Cap (2067).

2009W - Ventilator Circuit Adult With 1 Water Trap & Limb with Humidifier attachment

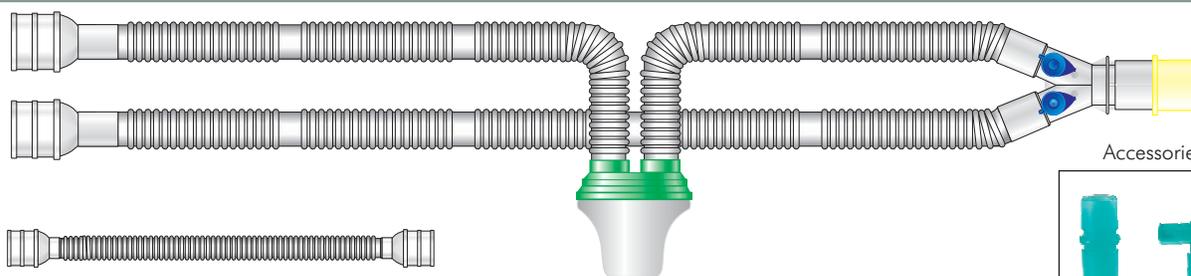
Set comprises : 22mm Corrugated Plastic Hose X 3.8 mtrs (5037), 2 Port Wye - Adult (2060), 22mm/22mm Male/Female Circuit Adaptors X 2 (9034), 22mm/22mm Male/Male Circuit Adaptor (9033), Water Trap (2701), Angle Mount with Luer Lock port (2059) & Safety Cap (2067).



For attachment of gas sampling lines with luer lock fittings so that they are secured in place. The entire luer port cap can be removed for suctioning if required.

2011 - Ventilator Circuit - Paediatric

Set comprises : 15mm Corrugated Plastic Hose X 3.2 mtrs (2038), Fixed Paedi Wye (2065), Angle Mount with Luer Port (2059), 22mm Female Catheter Mount X 2 (9008) & Safety Cap (2067).



Accessories

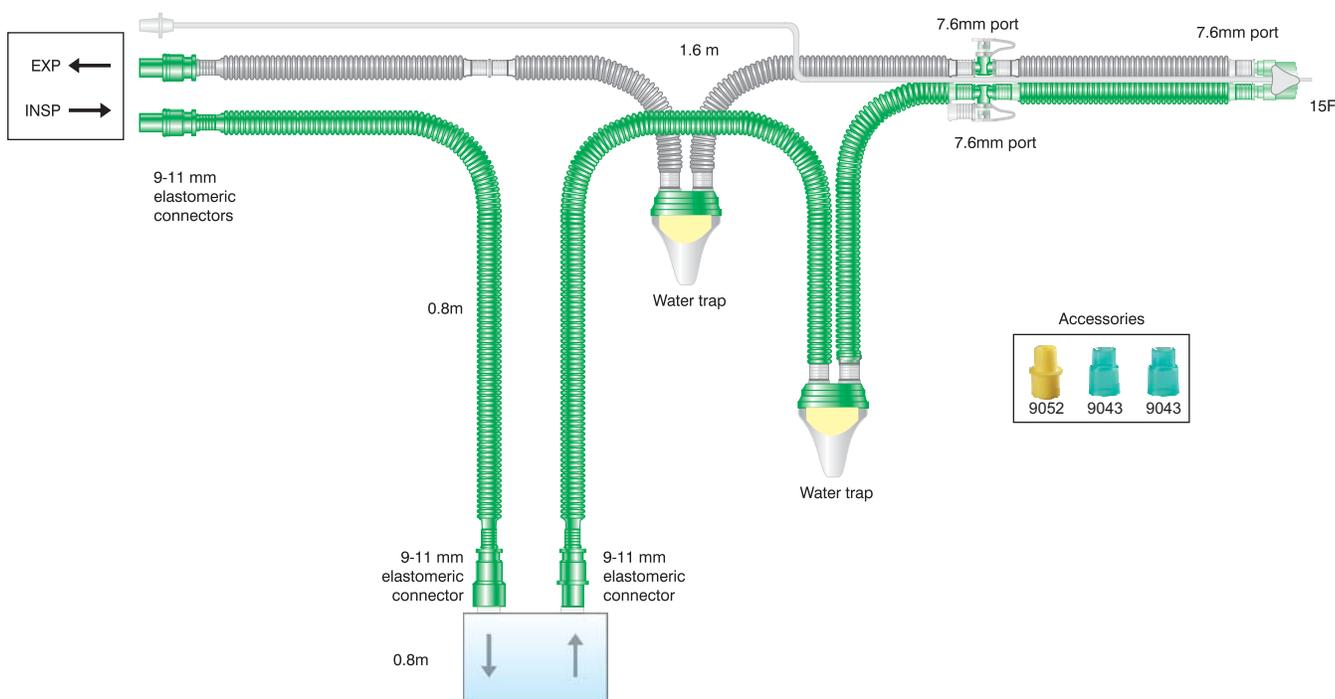


2011W -Ventilator Circuit - Paediatric with 1 water trap & Limb With Humidifier Attachment

Set comprises : 15mm Corrugated Plastic Hose X 3.8 mtrs (2038), 2 Port Paedi Wye (2063), 22mm Female Catheter Mount X 6 (9008), Water Trap (2701), 22mm/22mm Male/Male Circuit Adaptor (9033), Angle Mount with Luer Lock Port (2059) & Safety Cap (2067).

2011DW -Ventilator Circuit - Paediatric with 2 water trap & Limb With Humidifier Attachment

Set comprises : 15mm Corrugated Plastic Hose X 3.8 mtrs (2038), 2 Port Paedi Wye (2063), 22mm Female Catheter Mount X 8 (9008), Water Trap (2701) x 2, 22mm/22mm Male/Male Circuit Adaptor (9033), Angle Mount with Luer Lock Port (2059) & Safety Cap (2067).



Accessories

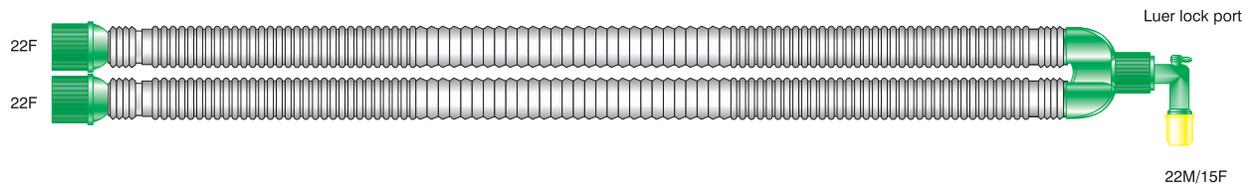


2012DW - Ventilator Circuit Neonatal With 2 Water Trap

Set comprises : 10mm Corrugated Plastic Hose X 3.8 mtrs (2037), 1 Port Neonatal Wye (2064), temp. port (2712) x 2, 10mm/15mm Male/Male Circuit Adaptor (9049) x 4, 9-11mm Rubber Mount (9051) x 4, 6-9mm Rubber Mount (9052), Mointering Line Tube (5040) x 2 mtrs, Neonatal Moisture Traps (2710) x 2, 15mm/22mm Female/Female Circuit Adaptor (9043) x 2.

2012 - Ventilator Circuit Neonatal Plain

Set comprises : 10mm Corrugated Plastic Hose X 3.2 mtrs (2037), 1 Port Neonatal Wye (2064), temp. port (2712) x 2, 10mm/15mm Male/Male Circuit Adaptor (9049) x 2, 9-11mm Rubber Mount (9051) x 2, 6-9mm Rubber Mount (9052), Mointering Line Tube (5040) x 2 mtrs, 15mm/22mm Female/Female Circuit Adaptor (9043) x 2.



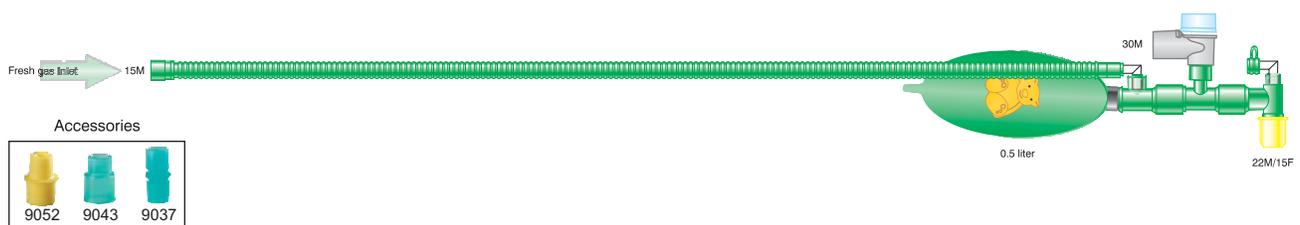
2024 - Adjustable Ventilator Circuit Plain - Adult

Set comprises : 22mm Corrugated Plastic Hose (2039) x 3.4 Mtrs., Fixed wye adult (9032), 22mm/22mm Male/Female circuit adaptor (9034), 15mm/22mm Angle mount with luer lock port (2059) & Safety Cap (2067).



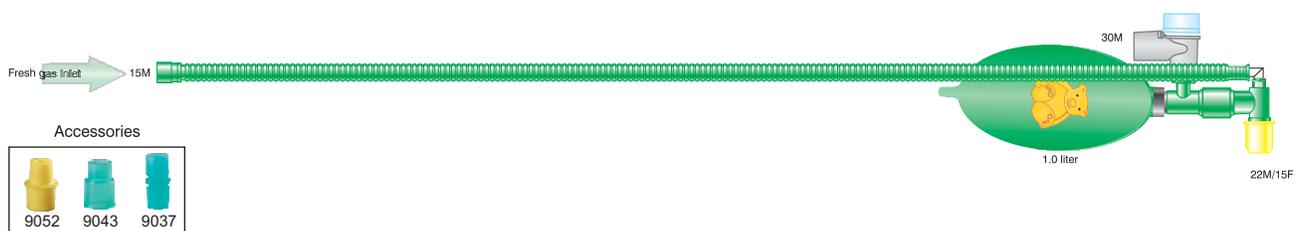
2030 - Paediatric Circuit "T" Piece System

Set comprises : 10mm Corrugated Plastic Hose (2037) x 1.6 Mtrs., 15mm Corrugated Plastic Hose (2038) x 0.4 Mtrs., 15mm Ayres 'T' Piece with swivel (7014), 15mm/22mm Angle mount with luer lock port (2059), Safety Cap (2067), Spill Valve Paedi. (2057), 15mm Bag Mount (9024), 0.5 ltr. Breathing Bag (8201), 10Male/15Male Circuit Adaptor (9049), 15Male/15Male Circuit Adaptor (9041), 15Female/22Female Circuit Adaptor (9043), 22male/23Male Circuit Adaptor (9037) & 6-9mm Rubber Mount (9052).



2031 - Paediatric Circuit Bagging System

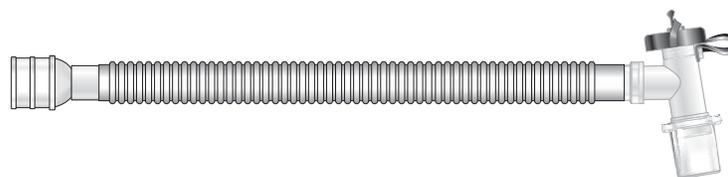
Set comprises : 10mm Corrugated Plastic Hose (2037) x 1.6 Mtrs., 15mm Ayres 'T' Piece with swivel (7014), 15mm/22mm Angle mount with luer lock port (2059), Safety Cap (2067), Spill Valve Paedi. (2057), 15mm Bag Mount (9024), 0.5 ltr. Breathing Bag (8201), 10Male/15Male Circuit Adaptor (9049), 15Female/22Female Circuit Adaptor (9043), 22male/23Male Circuit Adaptor (9037) & 6-9mm Rubber Mount (9052).



2032 - Paediatric Circuit Direct Gas Delivery System

Set comprises : 10mm Corrugated Plastic Hose (2037) x 1.6 Mtrs., 15mm/22mm Angle mount with Swivel (2062), Safety Cap (2067), Spill Valve Paedi. (2057), 15mm Bag Mount (9024), 1.0 ltr. Breathing Bag (8202), 10Male/15Male Circuit Adaptor (9049), 15Female/22Female Circuit Adaptor (9043), 22male/23Male Circuit Adaptor (9037) & 6-9mm Rubber Mount (9052).

Flexible Catheter Mounts



7042 - With Double Swivel All Plastic Disposable (APD)

Set comprises : 15cm X 11mm Corrugated Plastic Hose (2039), 15mm/22mm M/M Double Swivel (7005), 22mm Female Catheter Mount (9008)

7022 - With Double Swivel Plastic & Rubber Reusable (PRR)

Set comprises : 15cm X 11mm Corrugated Rubber Hose (8102), 15mm/22mm M/M Double Swivel (7005), 22mm Female Catheter Mount (9008), 15mm Female Catheter Mount (9021F)

7044 - With Angle Mount All Plastic Disposable (APD)

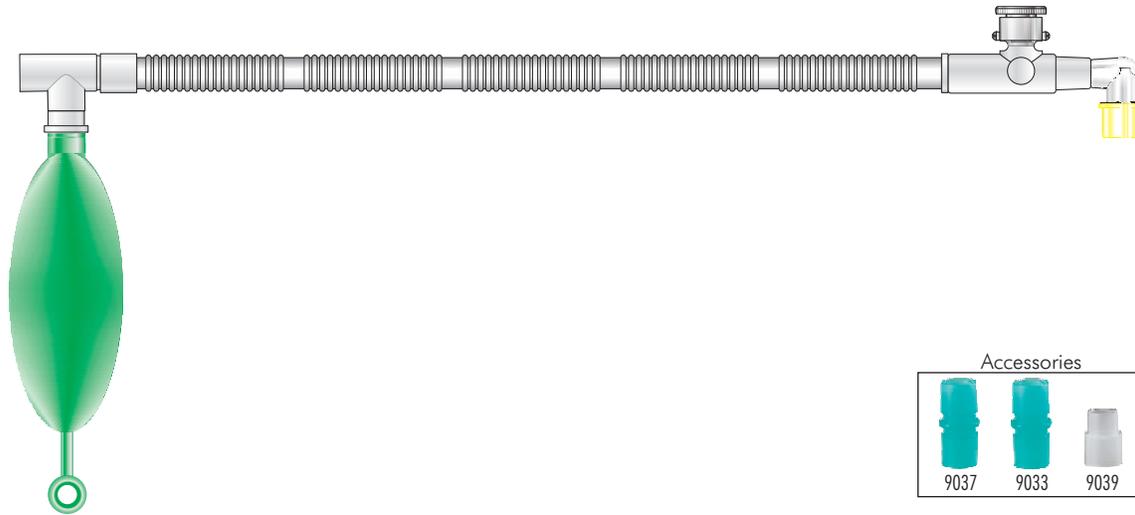
Set comprises : 15cm X 11mm Corrugated Plastic Hose (2039), 15mm/22mm Angle Mount (9004), 22mm Female Catheter Mount (9008)

7024 - With Angle Mount Plastic & Rubber Reusable (PRR)

Set comprises : 15cm X 11mm Corrugated Rubber Hose (8102), 15mm/22mm Angle Mount (9004), 22mm Female Catheter Mount (9008), 15mm Female Catheter Mount (9021F)

<p>HME Filter</p>  <p>2707</p>	<p>Hepa Filter</p>  <p>2708</p>	<p>Adult Moisture Trap</p>  <p>2701</p>
<p>1 Port Neonatal Wye</p>  <p>2064</p>	<p>2 Port Adult Wye</p>  <p>2060</p>	<p>Paediatric Moisture Trap</p>  <p>2706</p>
<p>15/22 Paediatric Angle Mount with Swivel</p>  <p>2062</p>	<p>Spill Valve</p>  <p>2056</p>	<p>2 Port Paediatric Wye</p>  <p>2063</p>

Magill Semi - Open Circuits



2013 - All Plastic Disposable

Set comprises : 22mm Corrugated Plastic Hose X 1.6 mtrs (5037), 22mm/22mm Male/Male Circuit Adaptor (9033)x2, 22mm Expiratory Valve (9200), 15mm/22mm Angle Mount (9004), Safety Cap (2067), 22mm Bag Mount (9022), 2 Ltr. Breathing Bag (8204), 22mm/23mm Male/Male Circuit Adaptor (9037) & 22mm/23mm Male/Female Circuit Adaptor (9039).

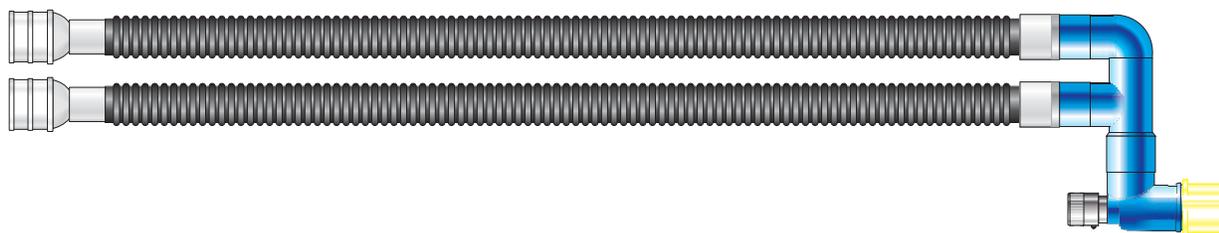
2003 - Plastic & Rubber Reusable

Set comprises : 22mm Corrugated Rubber Hose (8107), 22mm/22mm Male/Male Circuit Adaptor (9033)x2, 22mm Female Hose Mount (9020F), 22mm Expiratory Valve (9200), 15mm/22mm Angle Mount (9004), Safety Cap (2067), 22mm Bag Mount (9022), 2 Ltr. Breathing Bag (8204), 22mm/23mm Male/Male Circuit Adaptor (9037) & 22mm/23mm Male/Female Circuit Adaptor (9039).

2026 - Metal & Rubber Reusable

Set comprises : 22mm Corrugated Rubber Hose (8107), 23mm Expiratory Valve BC (9202), 23mm/23mm Male/Male Angle Mount BC (9002), 23mm Bag Mount with on/off Lever BC (9027), 2 Ltr. Breathing Bag (8204)

Magill Closed Circuits



2014 - All Plastic Disposable

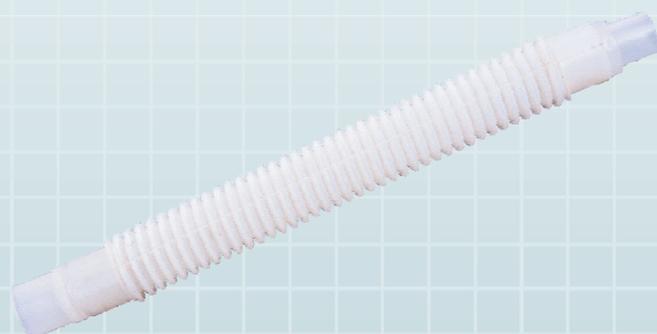
Set comprises : 22mm Corrugated Plastic Hose (5037) x 3.2 mtrs, 22mm/22mm Male/Female Circuit Adaptor (9034) x 2, Safety Cap (2067), Dr. Nawathe's Swivel with expiratory valve (9050), 22mm/23mm Male/Male Circuit Adaptor (9037) x 2 & 22mm/23mm Male/Female Circuit Adaptor (9039) x 2.

2004 - Plastic & Rubber Reusable

Set comprises : 22mm x 105cms Corrugated Rubber Hose (8107)x2, Dr. Nawathe's Swivel with expiratory valve (9050), 23mm/23mm Female/Female Circuit Adaptors (9036)x2, 22mm/23mm Male/Male Circuit Adaptor (9037)x 2, 22mm/23mm Female/Female Circuit Adaptor (9038)x2 & 22mm/23mm Male/Female Circuit Adaptor (9039)x 2.

CE
1293

RUBBER ACCESSORIES





Snuggy Facemask

Sizes		All Silicone	All Black
0	Infant	8300	8350
1	Small Child	8301	8351
2	Child	8302	8352
3	Small Adult	8303	8353
4	Adult	8304	8354
5	Large Adult	8305	8355

A unique autoclavable snuggy facemask which moulds virtually into any shape giving unparalleled patient seal, has a soft contoured cuff for superior patient's comfort & easy to clean because of one piece construction. Silicone version allows clear view of patient lip colour / presence of vomitus / secretions.

Clearhood

Sizes		All Silicone	All Black
3	Small Adult	8051	8044
4	Adult	8052	8045
5	Large Adult	8053	8046

An ideal light weight transparent hooded facemask for resuscitation and anaesthesia. The strong clear polycarbonate hood allows for early recognition of vomitus, blood, foreign body and lets the anaesthetist monitor lip colour and intermittent misting. The supersoft cuff in silicone or black rubber gives a comfortable, least traumatic and safe seal. The cuff can be easily removed for cleaning/autoclaving.



Circular Paedi

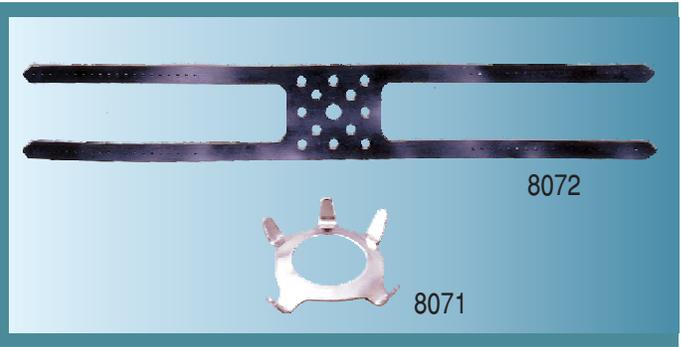
Sizes		All Silicone	All Black
00	Premature	8014	8008
0	Infant	8015	8009
0A	Small Child	8016	8010
0B	Child	8017	8011

One Piece design ensures gentle yet excellent fit. Available in silicone or black rubber versions.

Rendell Baker Soucek

Sizes		All Silicone	All Black
0	Premature	8036	8030
1	Infant	8037	8031
2	Small Child	8038	8032
3	Child	8039	8033

The RBS mask cuts dead space to a quarter of anatomical facemasks with inflatable pad & hence give greater safety margin. Available in black & silicone versions. Silicone facemasks offer clear visualisation & patient's lip colour.



Anatomical with Inflatable Pad

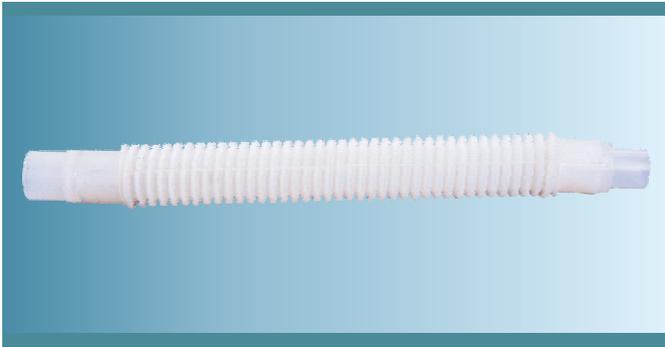
Sizes		
0	Infant	8056
1	Small Child	8057
2	Child	8058
3	Small Adult	8059
4	Adult	8060
5	Large Adult	8061

Has a body made of rubber that can be widened or narrowed to fit the face with inflatable pad to ensure best fit & seal available.

Head Harness - 8072

Several holes permit ventilation & holds both the Child & Adult heads. It consists of four rubber straps for attaching to the metal Mask Ring, which fits over the facemask.

Mask Ring S.S. - 8071



**Corrugated Breathing Tubes
Silicone Rubber
(Without Mounts)**

Sizes	
10 cm x 11 mm	8110
15 cm x 11 mm	8111
30 cm x 11 mm	8112
30 cm x 22 mm	8113

Made from flexible light weight silicone rubber for extended life.

**Corrugated Breathing Tubes
Black Rubber
(Without Mounts)**

Sizes	
10 cm x 11 mm	8101
15 cm x 11 mm	8102
30 cm x 11 mm	8103
30 cm x 22 mm	8104
105 cm x 22 mm	8107

Made from flexible light weight black rubber for extended life.

Breathing Bags Black

Sizes	Neck	
0.5 ltr	15 mm Bush	8201B
1.0 ltr	22 mm Bush	8202B
1.5 ltr	22 mm Bush	8203B
2.0 ltr	22 mm Bush	8204B
3.0 ltr	22 mm Bush	8205B

Designed for more accurate visual monitoring and increased tactile sensation. Dual purpose tail may be left intact for closed end use or cut to provide Bag Bleed Valve.

Breathing Bags Green

Sizes	Neck	
0.5 ltr	15 mm Bush	8201G
1.0 ltr	22 mm Bush	8202G
1.5 ltr	22 mm Bush	8203G
2.0 ltr	22 mm Bush	8204G
3.0 ltr	22 mm Bush	8205G

Designed for more accurate visual monitoring and increased tactile sensation. Dual purpose tail may be left intact for closed end use or cut to provide Bag Bleed Valve.

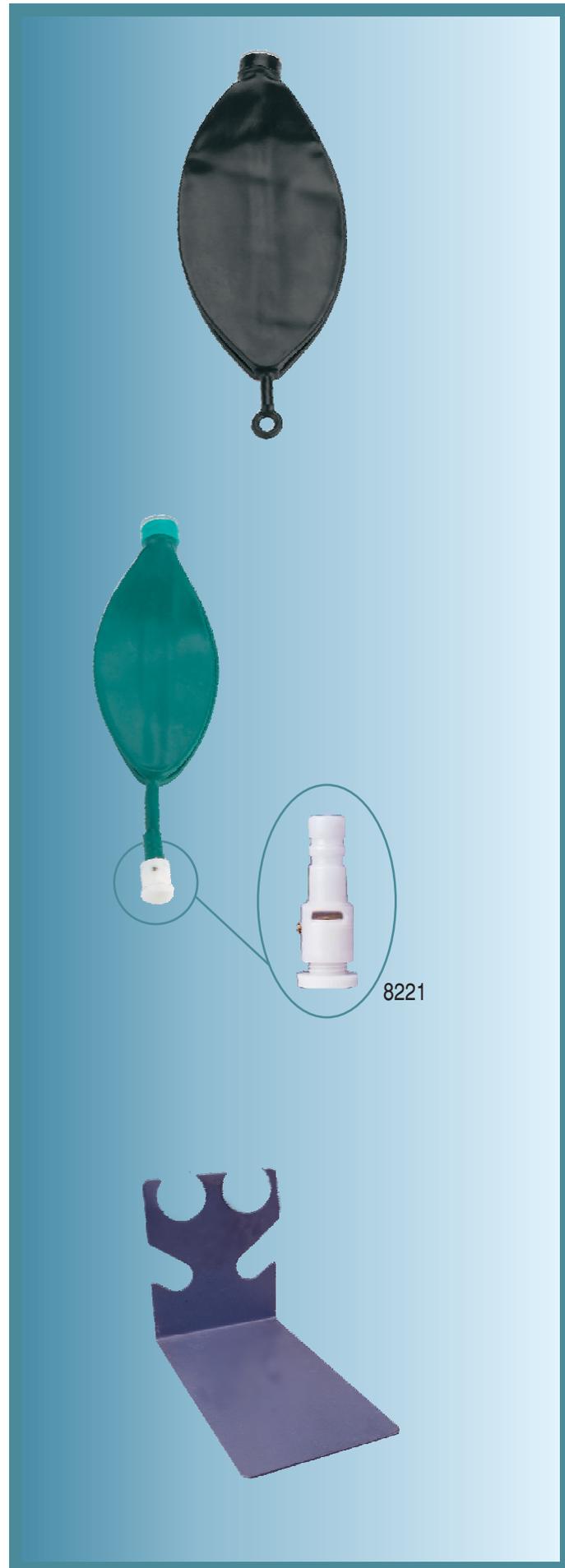
Bag Bleed Valve - 8221

Manufactured of light weight delrin with adjustable orifice. This valve inserts into the tail of a Breathing Bag.

Rao's Tube Tree - 8120

Prevents drag and pull on mask or tracheal tube and helps prevent accidental extubation.

Note : Silicone Rubber is long lasting and resistant to ageing and can be autoclaved regularly. Natural rubber devices are autoclavable but this will reduce their life span.



CE

OXYGEN THERAPY EQUIPMENT





Amar Oxygen Regulator with Flow Gauge

3009

Replacement of the flowmeter unit by a Flow Gauge with Gauge Saver and a rugged all metal construction ensures less frequent & reduced maintenance / servicing. Tamper-proof Safety Blow off situated inside the regulator prevents unauthorized adjustment of blow off pressure. Larger Control Knob provides more convenient operation.

Rao's Oxygen Regulator

3008

The Regulator has a factory preset fixed static outlet pressure of approx. 4.2 Kg/Sq.cm (60 lbs/sqin) and is fitted with safety valve. Once the flowrate has been set, the regulator will automatically maintain a constant flow rate irrespective of changing volume of cylinder contents. If the oxygen line distal to the regulator should be blocked, the regulator automatically prevents the build up of an excessive pressure in the apparatus and tubing between the outlet of the regulator and the obstruction. A pressure gauge indicates the cylinder contents.



Rao's Two Stage Oxygen Regulator

3503

Rao's Two Stage Regulator is similar to Rao's Oxygen Regulator but it has two diaphragms where by provides extra safety in case of damage to one of the diaphragm. It has an Extra Gauge to indicate outlet pressure.



BPC Flowmeter Unit

3041 - Metal, 3010 - Plastic

The Back Pressure Compensated (BPC) flowmeter incorporates a rotary pin valve control to permit adjustment of the flow rate to any desired level between 0 - 15 ltrs/min. Jacketed type shatterproof tubes are fitted on the units. The outlet at the bottom of the unit is fitted with a removable nipple. After removing the outlet nipple, a humidifier can be screwed into the outlet of the flowmeter unit. Flow accuracy is unaffected by back pressure due to down stream restrictions caused by humidifiers, nebulizers etc.



3041



3010

Note : The BPC Flowmeter with control used in the regulator should not be used with F/A valve.

F/A (Fine Adjustment) Valve with Gauge & Flowmeter

3006

Set comprises of F/A Valve with Gauge (3005), Flowmeter (3007) & Gauge Saver (3115)

The unit reduces the cylinder pressure by merely providing a variable restriction to the flow of Oxygen from the cylinder outlet. As volume of Oxygen in the cylinder reduces, the flowmeter has to be constantly adjusted to maintain the required flowrate. The flowmeter unit without control is fitted with jacketed type shatter proof tubes calibrated from 0-15ltrs/min.

Flowmeter Unit for F/A Valve

3007

Oxygen Pressure Gauge

3113

50 mm Dia, 0-250 Kgs/cm²



3113



Note : The flowmeter without control used in the F/A Valve should not be used with an Oxygen Regulator.



3012



3040



3013



3050



3051

Humidifiers

Consists of an unbreakable jar with screw on cap fitted on top inlet and side outlet tubes. The inlet tube ends in a specially designed diffuser from which oxygen is bubbled through water before reaching the outlet.

3013 - Humidifier with "S" Hook - for hanging on the cylinder trolley or flowmeter unit.

3012 - Humidifier - screw on type - Plastic Inlet Provided with 1/2" BSF threads that can be screwed on directly to the outlet of the flowmeter.

3040 - Humidifier - for generator - Plastic Inlet Has a 9/16 UNF female knurled nut & nipple at the inlet.

Humidifier with Relief Valve

3050 - Humidifier - screw on type

3051 - Humidifier - for generator
Brass Chrome Plated Inlet & Outlet

Oxygen Humidifier provides high humidity to oxygen using the bubble-type humidification process. It contains a 3-psi safety relief valve. The outlet fitting is a hose barb for 6mm ID plastic tubing. Max. and Min. water levels are clearly marked; the max line holds 100 ml of water.



Jet Ventilator for Bronchoscopy

3026 - A ventilating system for rigid wall bronchoscopy and laryngeal microsurgery. Comprises : 2mtrs. High Pressure Tubing, Thumb Valve Control and three Luer Lock Needles.

Rao's Twin Gauge Oxygen Regulator

3027 - Specially introduced for use with the Jet Ventilator and other applications, it has an extra gauge to indicate the outlet pressure of the regulator and incorporates a safety valve. The outlet pressure can be adjusted with the help of the key to desired value depending upon use for Paediatric or Adult patients.



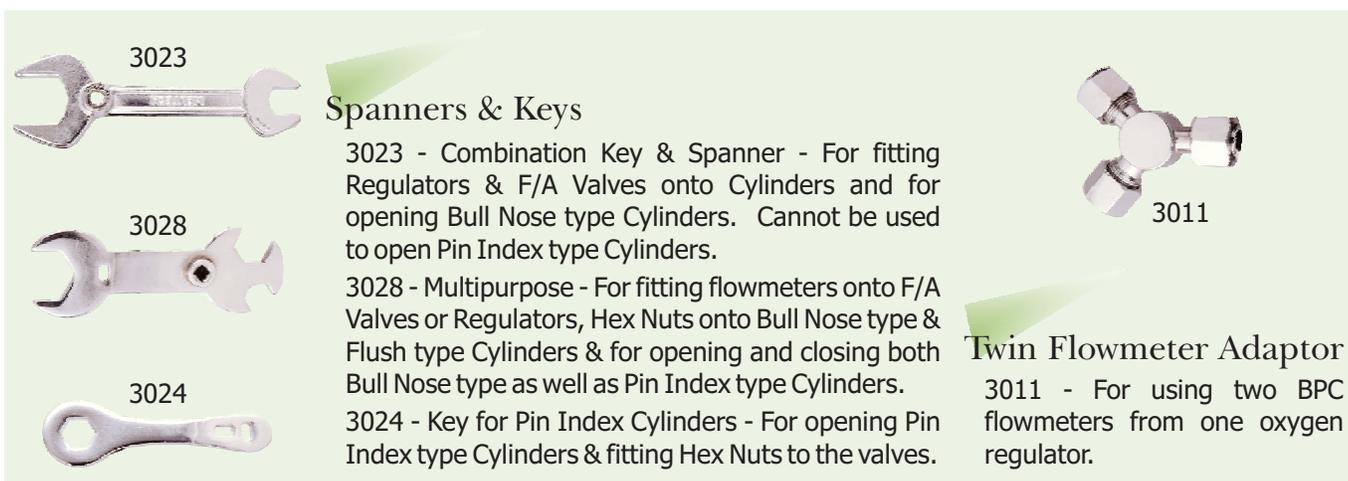
Rao's Air Regulator

3045 - The Regulator has a factory preset fixed static outlet pressure of approx. 4.2 Kg/Sq.cm and is fitted with safety valve. Once the flow rate has been set, the regulator will automatically maintain a constant flow rate irrespective of changing volume of cylinder contents. A pressure gauge indicates the cylinder contents.

Rao's CO₂ Regulator

3044 - Specially introduced for carbon dioxide cylinder and other applications. It has an extra gauge to indicate the outlet pressure of the regulator and incorporates a safety valve. The outlet pressure can be adjusted with the help of the key to desired value depending upon use for Paediatric or Adult patients.





Oxygen Mask - Plain (Disposable)

3017 - Adult
3018 - Child

Light weight design, soft feathered edges for increased patient comfort, nose clip for nose bridge adjustment & for better fit, pull through adjustable elastic head band & swivel tubing connector for changing angle of operation without disturbing the mask.





High Concentration Mask (Disposable)

3037 - Adult

3038 - Child

High concentration Oxygen Mask is used to deliver 100% Oxygen to patient. There is a two litre reservoir bag with 3 one-way valves to deliver 100% Oxygen. Two expiratory valves are easily detachable as per the need of the patients.

Oxygen Mask with Nebuliser (Disposable)

3031 - Adult

3032 - Child

Set comprises of plain Oxygen Mask, Nebuliser Jar & tubing. The nebuliser jar is specially designed for the delivery of drugs for tracheobronchial deposition. At gas flow of 8 L/min, 70% of output will be particles of less than 5 microns.



Nebuliser Mouth Kit

3039

Mouthpiece is particularly useful for patients who can coordinate their breathing for drug delivery, thereby increasing the amount of aerosol reaching the lungs.

CPAP Cannula (Disposable)

2033 - Size 0 - Weight Range Less than 700 grams

2034 - Size 1 - Weight Range 700 to 1250 grams

2035 - Size 2 - Weight Range 1250 to 2000 grams

For the administration of continuous positive airway pressure (CPAP) therapy to neonates & infants. Luer fitting on expiratory connector allows proximal airway pressure monitoring. Adjustable right-angle connectors facilitate positioning of tubing. Complete system or with cannula & securing mechanism.



CE

PIPELINE ACCESSORIES





3460



3461



3462



3463

Terminal Units

3460 - Oxygen (White)
3462 - Air (Grey)

3461 - Nitrous Oxide (Blue)
3463 - Vacuum (Yellow)



3450



3451



3452



3453

Direct Probes

3450 - Oxygen (White)
3452 - Air (Grey)

3451 - Nitrous Oxide (Blue)
3453 - Vacuum (Yellow)

FEATURES

- Allows plugging of oxygen flowmeter & probes from front.
- Bears weight of the metal BPC flowmeter & humidifier.
- Push to insert and press-to-release mechanism for flowmeters & probes.
- Locating terminal unit pin & probe notch gives maximum stability to the flowmeter unit.
- Non-interchangeability between probes & terminal outlets for different services; possibility of error in making connection is avoided.
- Safety key plug used with Schrader type self sealing valves can also be used on the terminal units so that existing ancillary equipment can be inserted in both the terminal units as well as Schrader type sealing valves.

3301



Single pipeline adaptor

3301 - Oxygen
Making & breaking the supply connection is in the same manner as described under "Self Sealing Valves"

3302



Twin pipeline adaptor

3302 - Oxygen
Making & breaking the supply connection is in the same manner as described under "Self Sealing Valves"



Schrader Self Sealing Valves & Accessories

Illustration shows complete Oxygen Outlet Point (with Twin Pipeline Adaptor & BPC Flowmeters), as would be seen in actual use in wards.



3303



3307



3316



3315



3311

Self sealing valves (Schrader type)

- | | |
|---------------|----------------------|
| 3303 - Oxygen | 3304 - Nitrous Oxide |
| 3305 - Air | 3306 - Vacuum |

The outlet points from which gases & vacuum are drawn are of self sealing type and have non-interchangeable outlet fittings. The supply is established simply by inserting the appropriate safety key plug into the orifice of the outlet point and pressing it home until it locks in position. To break the connection, the milled collar round the orifice is rotated a few degrees to the right, when the safety key plug is automatically ejected and the gas flow is cut off.

Safety key plugs (Schrader type)

- | | |
|---------------|----------------------|
| 3307 - Oxygen | 3308 - Nitrous Oxide |
| 3309 - Air | 3310 - Vacuum |

These are non-interchangeable like the self sealing valves and thus eliminate the possibility of errors in making connections.

Button cover

3316 - To keep the covers in position on the 'S' bracket.

'S' Bracket

3315 - For connecting the down drop pipes to self sealing valves.

Plastic covers for self sealing valves

- | | |
|---------------|----------------------|
| 3311 - Oxygen | 3312 - Nitrous Oxide |
| 3313 - Air | 3314 - Vacuum |

Coloured coded text for respective self sealing valves to safe guard against the possibility of administering the wrong gas.



Plastic saddles

3317 - 10mm OD 3318 - 16mm OD 3319 - 28mm OD
For surface mounting pipes of different sizes, firmly on the wall.



3324



3350

Minimum contact gauges & Gas Failure Alarm for pipelines

3324 - 0 - 250kg/cm² High Pressure, Oxygen, Dia 100mm

3326 - 0 - 10kg/cm² Low Pressure, Oxygen, Dia 100mm

3350 - Pipeline Gas Failure Alarm

The contact gauge has electrical contacts. It should be connected to the pipeline gas failure alarm which has two signal lights, a buzzer & an "ON/OFF" switch. When the contact gauge is connected to the power supply and the ON/OFF switch of the alarm is switched "ON", green light will show indicating that the electrical supply serving the contact gauge & alarm are working correctly. The green light should show at all times when the pipeline is in use. The other signal light viz red is a warning light which automatically shows & the buzzer rings when the pressure in the running cylinder has fallen to a determined value. Put the switch to "OFF" position after which the reserve cylinder should be brought into operation promptly to ensure continuity of supply.



High Pressure Tubing - 6 mm I.D.

3730 - Grey (Air)
1211 - Yellow (Vacuum)
3729 - Blue (Nitrous Oxide)
3726 - White (Oxygen)



1203



1230



1220

Rao's Vacuum Regulators

1203 - 0 to 760mm Hg.

1230 - 0 to 200mm Hg.

1220 - 0 to 500mm Hg.

Rao's range of vacuum regulators represents the ultimate in vacuum control. High (0-760mm Hg), Medium (0-500mm Hg) & Low suction (0-200mm Hg). These cover all the medical central pipeline applications of the operation theatres & wards. The regulator comprises of a polymer body which houses an ON/OFF lever, an adjustable knob at the front, a large diaphragm for accurate suction control and a vacuum gauge with different scales depending on model 760, 500 & 200. The ON/OFF lever allows the operator to start or stop suction by turning the lever, with the adjustable knob, the operator can set the amount of vacuum necessary. The medium & low volume regulators have a safety valve set to open between 450 & 475mm Hg for medium suction and between 150 & 175mm Hg for low suction.



1250

Vacuum units (w/o regulators)

1250 - 600ml

1201 - 1000ml

1202 - 2000ml

1260 - 4000ml

Vacuum units are available in 600, 1000, 2000 & the new 4000ml capacity. The jars are made of polycarbonate, practically unbreakable, shatter resistant and autoclavable at 134°C. ABS is used for other components to withstand hard usage and provide trouble free service over a long period of time. A stainless steel bracket is provided on the cap as a separate component and not as an integral part of the cap to avoid the cap breaking, when the jar gets filled with suction fluids. The bracket fits directly on the mounting bracket on the wall. A well proven fluid control trap fitted on the unit automatically and efficiently shuts off vacuum fully, preventing the transfer of liquid to the vacuum regulator, pipeline and pump.



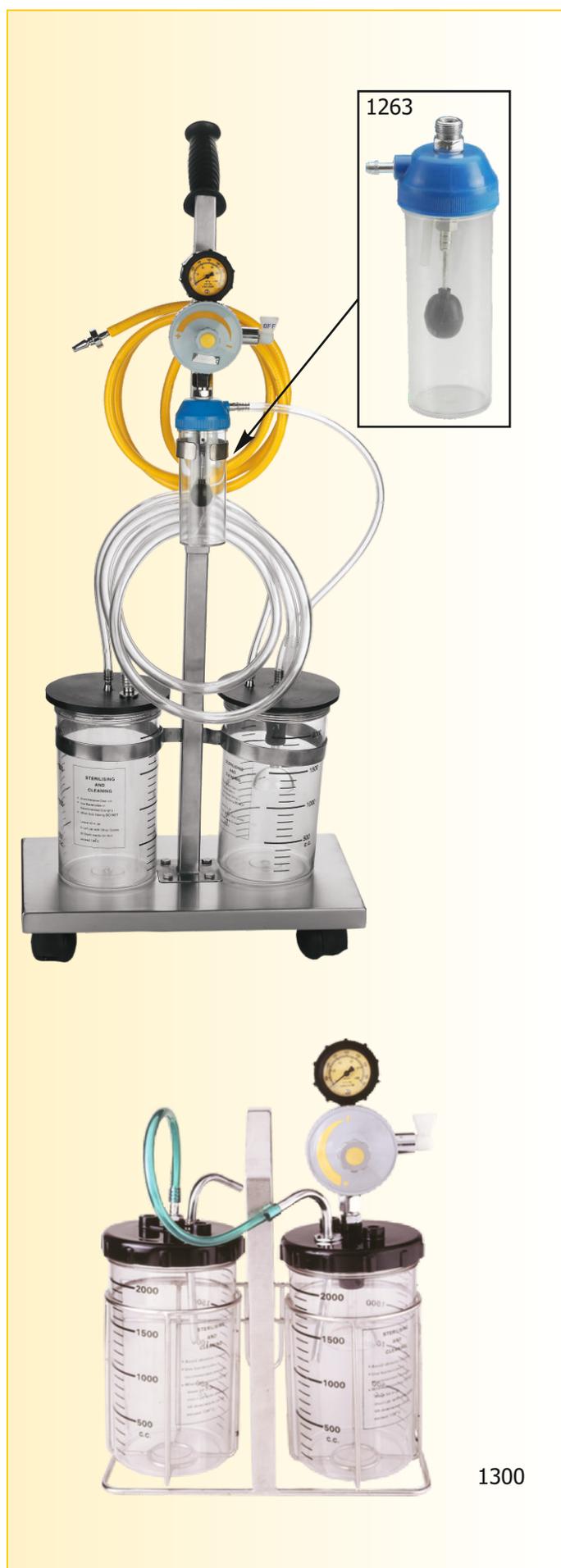
1201



1202



1260



Safety Jar

1263

The Safety Jar comprises of a cap with well proven fluid control trap and an autoclavable polycarbonate clear jar. It is fitted between the primary vacuum units and the vacuum regulator to protect the system from aspirated fluids entering the regulator, pipeline and pump.

In the interest of greater safety & efficiency, we have specially designed the unit for this purpose and to fall in line with international practice.

Rao's Theatre Vacuum Unit with Trolley

1100

Set comprises : 2000ml Vacuum units X 2 (1202), Rao's Vacuum Regulator Model 760 (1203), Safety Jar with overflow safety device (1263), High Pressure tubing for vacuum x 2 mtrs., Safety key plug - Vacuum & Theatre Trolley (1264)

1200

Set comprises : 4000ml Vacuum units X 2 (1260), Rao's Vacuum Regulator Model 760 (1203), Safety Jar with overflow safety device (1263) High Pressure tubing for vacuum x 2 mtrs., Safety key plug - Vacuum & Theatre Trolley (1264)

The basic trolley consists of a stand on four castor wheels; very stable and provided with an easy grip handle for convenient transportability. It is suitable for two 2000 / 4000ml capacity suction units, a high/medium/low vacuum regulator & a safety jar fitted with an overflow safety device.

Rao's Twin Carry Vacuum Unit with stand

1300

Set comprises : 2000ml Ward Vacuum units X 2 (1202), Rao's Vacuum Regulator Model 760 (1203), & Twin Carry Vacuum Stand (1285)

Light but sturdy, stainless steel stand to accommodate two 2000ml jars with a vacuum regulator to easily carry from one place to another as & when required. Specially useful in operation theatres & wards in hospitals and nursing homes.

The regulator comprises of a polymer body which houses an ON/OFF lever, an adjustable knob at the front, a large diaphragm for accurate suction control and a vacuum gauge with different scales depending on model 760, 500 & 200. The ON/OFF lever allows the operator to start or stop suction by turning the lever, with the adjustable knob, the operator can set the amount of vacuum necessary. The medium & low volume regulators have a safety valve set to open between 450 & 475mm Hg for medium suction and between 150 & 175mm Hg for low suction.

SUCTIONS & CONNECTORS



Rao's Foot Operated Suction Pump



1001

FEATURES

- Independent of any power source.
- No Maintenance.
- Ready to use.
- Nonstop operation in all conditions.
- Powerful & Fast.

It is accepted as one of the most reliable & effective mobile pumps. By simply compressing and releasing the bellows, a partial vacuum is produced and transferred over the bottle to the suction tube. A partial vacuum of 210mm of Hg is obtained after a single compression & release of the bellows and after a few more cycles, the maximum of 300mm of Hg is obtained. The rate of pumping required is slow, approximately once every three seconds. In an emergency, should the bottle overflow, the pump will continue unaffected. Fluids will be ejected through an overflow outlet on the top cap of the bottle and also on the top of the bellows. Use of the catheter holder enables the vacuum to be controlled to a maximum of 190mm of Hg. If the aperture is closed merely by holding a finger on it, the maximum vacuum possible is raised to 300mm of Hg.

Dim (cms)	:	20 X 22 X 12
Wt. (gms)	:	1200
Capacity (ml)	:	500
Max Vac(mm of Hg)	:	300
Jar	:	Polycarbonate, Unbreakable

Rao's Hand Suction Unit

1101 - 40 ml Capacity

1102 - 100 ml Capacity



The Hand Suction Units are suitable for mucous extraction or to supplement general resuscitation techniques where comprehensive suction facilities are not available. The containers are unbreakable and transparent, permitting immediate visual examination of the aspirate.

Suctions & Connectors



Angle Mounts

9004	15M/22M	Plastic
9002	23M/23M	Brass Chromed

Catheter Mounts

9005	23M	Plastic
9006	23F	Plastic
9007	23.5F	Plastic
9008	22F	Plastic
9009	22M	Plastic
9021F	15F	Plastic
9021M	15M	Plastic
9015	23M	Brass Chromed



Hose Mounts

9020	22mm Male/Female Pair	Plastic
9021	15mm Male/Female Pair	Plastic

Plug - In Mounts

9014	22M	Plastic	for 6mm ID tubing
9012	23M	Plastic	for 6mm ID tubing
9018	22F	Plastic	for 6mm ID tubing
9016	23F	Plastic	for 6mm ID tubing
9013	23M	Brass Chromed	for 6mm ID tubing
9011M	15M	Plastic	for 10mm ID tubing



Circuit Adaptors (Plastic)

9033	22M/22M	9034	22M/22F
9035	22F/22F	9036	23F/23F
9037	22M/23M	9038	22F/23F
9039	22M/23F		
9041	15M/15M	9042	15F/15F
9043	15F/22F	9044	15M/22F
9059	15M/22M	9049	10M/15M
9045	22 Male Blind end	9060	15F/22M
9046	22 Female Blind end		

Recommended Anaesthesia/Resuscitation Kit

For Private Practicing Anaesthesiologist

Code No.	Product Description
5001	Rao's Adult Silicone Resuscitator
5003	Rao's Child Silicone Resuscitator
6204	Laryngoscope Set - Standard Handle with 4 Macintosh Blades sizes 1, 2, 3 & 4
6102	Laryngoscope Set - Penlite Handle with 2 Miller Blades sizes 0 & 1
6123	Trupty Blades with Flexible Articulating Tip - Size 3 Bright Finish
6002	Stubby Handle
6175	Howland Lock
7160	Tooth Protector
7009	15mm Rao's Tracheal Connector Set in a box
7101A-7101D	Airways Guedel Silicone Any Size 1, 2, 3, 4
7102A-7102C	Airways Guedel Silicone Any Size 000, 00, 0
7125D-7125I	Nasopharyngeal Airway Any Size 4, 5, 6, 7, 8, 9mm
7714	LMA Unique Disposable Any Size 1, 1.5, 2, 2.5, 3, 4, 5
7204/5/6	Magill Forceps Any Size Adult, Child, Infant
7200	Tube Cleaning Brush set of 4 Size 4, 6, 8, 10mm OD
7201	Malleable Stylet Any Size Small, Medium, Large
7202	Adjustable Stopper for Malleable Stylet
7207	Dr. Talwalkar's Directable Stylet
7225	Dr. Talwalkar's Fibrelit Stylet with Handle
7210	Dr. Talwalkars Bougie size 4mm x 700mm long
7211	Dr. Talwalkars Bougie size 3mm x 500mm long
8056 - 8061	Anatomical Facemask with inflatable pad Any Size 0, 1, 2, 3, 4, 5
2005	Bain Circuit
2001	Jackson Rees Paediatric Circuit
3017 - 3018	Oxygen Mask - Plain Any Size Adult, Child
3014 - 3015	Oxygen Nasal Canula Any Size Adult, Child
3020 - 3021	Oxygen Mask with % Control Any Size Adult, Child
3031 - 3032	Oxygen Mask with Nebuliser Any Size Adult, Child
3030	Dr. P. K. Sen Weaner
1102	Hand Suction Unit - 100ml Capacity



Anaesthetics
India Pvt. Ltd.

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