



Rotameter Unit (Without Tubes)

A housing for Rotameter tubes. The flow control is obtained by needle valves which can be easily distinguished from one another by touch & colour. Easy to read large size scales with fluorescent illumination, allow inside bobbins to be accurately read.

3700 - Accommodates one 230mm tube
3600 - Accommodates two 230mm tubes
3500 - Accommodates three 230mm tubes

Rotameter Tube & Bobbin

3601 - Oxygen	0.1 to 10.0 ltr/min
3602 - Nitrous Oxide	0.2 to 12.0 ltr/min
3612 - Air	0.1 to 12.0 ltr/min
3613 - Oxygen	0 to 1.0 ltr/min
	0 to 1000 cc/min

Dual tapered calibrated tube calibrated at 20°C & 1013mbar abs.
Bobbin Float: Aluminium alloy anodised red, with silver dot for easy observation of rotation.
Operation of the tubes can be easily confirmed by checking the location of flowmeter bobbin & by seeing the rotation of the bobbin.

Yoke - Economy Model

3652 - Oxygen 3653 - Nitrous Oxide

Colour coded plastic cover, other components from stainless steel to avoid rusting, pin indexed for use on anaesthesia trolley.

Yoke - Compact Model

3650 - Oxygen 3651 - Nitrous Oxide

One piece, brass chromed, robust & pin indexed for use on anaesthesia trolley.

Yoke - Midget

3654 - Oxygen for use with F. A. Valve
3655 - Nitrous Oxide
3656 - Oxygen for use with Rao's Regulator

For use other than anaesthesia trolley. Pin indexed, brass chromed, specially developed for flush type portable cylinders for use with portable anaesthesia apparatus. Ideal for domiciliary use, ambulances, mines, airports, railways and medical disaster situations.



Change Over Unit

3604
Normally positioned at the top of the apparatus table. It has a built in emergency oxygen push button and change over facility from open to closed circuit and vice versa.

Emergency Oxygen Unit

3606
Incorporates a non-return valves assembly along with a button for flushing the circuit with oxygen in emergencies.

Non Return Valve Assembly

3603
Blows off when pressure exceeds 200cms of water column thus minimising the risk of back flow of gases.

O₂ Failure Alarm - for Gas Anaesthesia Apparatus

3607
A battery operated pneumatically controlled device which activates an audio alarm for about fifteen seconds when oxygen pressure in the system falls to approximately 4.2kg/cm²

Goldman Halothane Vaporizer - w/o stand

4002
Drawover type, designed to limit the maximum concentration of Halothane vapour to 3% by volume irrespective of the total gas flow through the unit. Adjustment is made by means of a ratchet type control valve. The glass jar is screwed on to the body and can be quickly detached for easy filling. The vaporizer is also suitable for use with Trichloroethylene in low concentrations.

Rao's Preset Regulator

3625 - Oxygen 3626 - Nitrous Oxide
For use with anaesthesia apparatus only. Outlets have non-return valves to avoid back flow of gases. Safety valve is incorporated in the unit. Hence no necessity of safety valve in the tubing between the regulator and the rotameter unit.

Rao's Cut Off Regulator

3629
To activate Nitrous Oxide Regulators only when Oxygen Regulators are pressurised, thereby minimising the risk of administering Nitrous Oxide in the absence of Oxygen. Safety valve incorporated in the unit. Hence no necessity of safety valve in the tubing between the regulator & the rotameter unit.



Rao's Bulk Cylinder Conversion Units

3675 - Oxygen 3676 - Nitrous Oxide

For connecting bulk cylinder to the anaesthesia apparatus. The unit comprises of a Regulator, 2 mtrs. High Pressure Tubing with ferrules and a Pin Index Adaptor to fit on the yoke of the apparatus in place of the service cylinder.

Bag Mounts

9023 - 22F x 22M & 22F at Bag end - Plastic
9025 - 23M x 23F & 22 F at Bag end - Plastic

The above will not bend or dent when accidentally dropped.

9027 - 23M x 23F & 23 M at Bag end with ON/OFF Lever - Brass chromed.

Expiratory Valves - Heidbrink

9200 - 22M/15F at patient end & 22F at distal end
9201 - 23M/15F at patient end & 23F at distal end

15mm E/T straight connectors can be fitted at the patient end, thus avoid using catheter mount & reducing dead space. Will not bend or dent when accidentally dropped.

9202 - 23M/23F Brass Chromed

A variable tension spring is fitted in the above three expiratory valves to control the degree of rebreathing.

22 Angle "Wye" w/o Expiratory Valve

9028
The patient end accepts anaesthesia mask & 15mm tracheal connector.

Dr. Nawathe's Swivel with Expiratory Valve

9050
Patient end accepts anaesthesia mask & 15mm tracheal connector. Low weight - 50gms - leads to minimization of the pressure strain for patient. Sturdy to withstand rough usage, will not bend or dent when accidentally dropped, needs no servicing with absence of circlips & rubber washers.

Note : For other servicing components including spares such as corrugated tubes, facemasks, breathing bags etc., please refer our price list.

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

* Carrying Warranty at Rajkot Office only on site warranty not provided free of cost.

* Due to constant upgradation design, price and features are subject to change any time without prior notice.



WESTERN SURGICAL
EQUIPMENTS PRIVATE LIMITED

Western Surgical

* www.westernsurgical.in *

Email : westernsurgical@gmail.com

Ph. +91-281-2232871 / 2243159

Mo. +91 94280 03750/52/54

© Copyright Reserved by : Western Surgical - Rajkot.