

MEDISYS

MEDISYS EXCELSIOR ANESTHESIA WORKSTATION WITH VENTILATOR



EXCELSIOR ANAESTHESIA WORKSTATION WITH VENTILATOR

ALL
CONTROLS
ARE
WITHIN
YOUR
ARM'S
REACH



JUST SELECT THE CONTROL
AND RELAX





MEDISYS EXCELSIOR ANESTHESIA WORKSTATION WITH VENTILATOR



MEDISYS EXCELSIOR is a High End Anaesthesia Workstation that has an **in-built Electrically Operated Micro-Controller Based Ventilator**. Special care has been taken to keep it **very simple, sturdy, compact and user-friendly**.

ANAESTHESIA VENTILATOR

- Micro-Controller Based Electrically Driven
- Bright Display of Parameters
- Display of Airway Pressure in Bar Graph
- Compatible with Circle Absorber or Bain's Circuit
- Automatic Spill Device
- Adjustable Safety Valve
- Inspiratory Hold for better distribution of gas
- Variable 1: E Ratio

SPECIFICATION

Classification	: Flow Generator Type
Driving Source	: 220 v AC
Mode	: CMV
Tidal Volume	: 50 to 1200 ml
Frequency	: 6 to 40 bpm
Insp. Time	: 0.4 to 3 Seconds
Insp. Hold	: 0 to 2 Seconds
I/E Ratio	: 1: 1 to 1: 5
Alarms	: Patient Disconnection, High Insp. Pressure, Low Insp. Pressure
Safety Valve	: Adjustable : 10 to 50 cm H ₂ O
Power	: 60 W

STRUCTURE

- Made of Aluminium Extruded Tubes and Channels with Powder Coated Finish
- 2 Drawers with Smooth Sliding Channels
- Sliding Writing Table
- Antistatic Large Castor Wheels, Front Wheels with Brakes
- Dip Stand with Double Hook
- Handle on each side for Easy Maneuverability
- Equipped with Electrical Distribution Box
- Space for mounting 2 Vaporizers



MEDISYS EXCELSIOR ANESTHESIA WORKSTATION WITH VENTILATOR



VAPORIZER MANIFOLD

Provision for mounting 2 Temperature and Flow Compensated Vaporizers.

FLOWMETER MANIFOLD

- 5 Tube Flowmeter Set
- 2 Each High & Low Range Tube Set for O₂ & N₂O
- 1 High Range Tube for AIR
- Each Gas Control Valve fitted with Colour and Shape Specific Control knobs
- Fitted with Oxygen Ratio Controller which ensures minimum 25% O₂ Concentration. If Oxygen delivery is altered, ORC automatically readjusts proportionate delivery of N₂O, thereby maintaining pre-set Oxygen Concentration



Gas	Flowmeter	Range
O ₂	Double	0 to 1 Litre/min
		1 to 10 Litre /min
N ₂ O	Double	0 to 1 Litre /min
		1 to 12 Litre /min
AIR	Single	100 to 15000 cc / min

GAS INLET

- Cylinder Inlet : 4 Forged Brass Pin Indexed Yokes, 2 each for O₂ & N₂O with Colour Coded Cylinder Pressure Gauges at eye level.
- Pipeline Inlet : Non-interchangeable Pipeline Inlet for O₂, N₂O & AIR with separate Pipeline Pressure Gauges on the front at eye level.

Application	Gas	Qty.	Pressure Gauge Range
Cylinder	O ₂	2	0-250 kg/cm ²
Cylinder	N ₂ O	2	0-250 kg/cm ²
Pipe Line	O ₂	1	0-7 kg/cm ²
Pipe Line	N ₂ O	1	0-7 kg/cm ²
Pipe Line	AIR	1	0-7 kg/cm ²
Vacuum System	VACUUM	1	0-760 mm /Hg.

PRESSURE REGULATORS

4 First Stage Regulators, 2 each for O₂ & N₂O, 2 Second Stage Regulators for maintaining Systems Pressure, 1 each for O₂ & N₂O.





MEDISYS EXCELSIOR ANESTHESIA WORKSTATION WITH VENTILATOR

AIR/N₂O INTERLOCK

This interlock system eliminates the possibility of selecting AIR with N₂O. Oxygen is allowed to flow with N₂O or AIR.

NITROLOCK WITH ALARM

Oxygen Failure Alarm is activated when O₂ delivery falls below 1Lpm. It also locks the flow of N₂O. Alarm will be on till the fault is rectified.

ALARM 'ON-OFF' SWITCH

It is provided to keep the Audio Visual Alarm off.

NON RETURN VALVE WITH SAFETY RELEASE

Protects Reverse Flow from Patient Circuit towards Vaporizers. Also acts as a Safety feature to blow-off excess pressure built-up in the Patient Circuit.

OXYGEN FLUSH

Monostable Type Guarded Push Button fitted for supply of fresh Oxygen to the Patient Circuit.

VACUUM SYSTEM

Consists of Vacuum 'ON-OFF' Switch, Vacuum Control Valve with Pressure Gauge & Vacuum Collection Bottle. The System operates on AIR.

CIRCLE ABSORBER

1. Ideally suited for Low Flow Anaesthesia System.
2. 'O' Ring fitted taper joints ensure 100% leak proof system and easy maneuverability.
3. Cannisters can be taken out for refilling and push-fitted again to the circuit set-up very easily.
4. Supplied with 2 Cannisters, APL Valve & Patient Circuit.
5. Visual Unidirectional flow indicator at Inspiratory & Expiratory Valve.
6. Supplied with BAG - VENT Switch for easy changeover between Manual & Automatic modes.

Shelf	Height Cm.	Depth Cm.	Width Cm.	Maximum Load (Kg.)
TOP	149	35	65	22
TABLE	92	31	53	11

