

CE

CE-3594

Oscar

Anaesthesia Workstation



Devoted To Care Life Since 1988...

Since 1988 **HOSPITAL DEVICES** is manufacturing Anaesthesia delivery systems with highest level of patient safety and high reputation for reliability of product and service. Hospital Devices believe that the quality of patient care must never be compromised by integrity of anaesthesia delivery system at any cost.

We have developed an indigenous workstation “**OSCAR**” having inbuilt ventilator with all the mandatory and essential safety features.

Technical specifications

Structure	Rigid structure electro statically powder coated.
Storage space	Three spacious drawers provided for storage of Anaesthesia accessories, equipments, etc.
Monitor shelf	Large monitor shelf at eye level provided.
Cylinder yokes	Gas specific pin indexed yokes for holding 2nos O ₂ and 1nos N ₂ O cylinders of 5Ltr water capacity.
Hypoxia Guard	It ensures that 25% Oxygen is always maintained in breathing circuit/ gas mixture.
Rotameter	Three tube rotameter for O ₂ , N ₂ O and Air (5 tube cascade type optional).
Non Return Cum Pressure Relief Valve	It minimizes risk of back flow & blows off when pressure exceeds 125 cm H ₂ O.
Regulators	Separate regulators for each pin indexed yoke (2 Nos. O ₂ and 1 Nos. N ₂ O).
Second Stage Regulator	Second stage regulator provided for better safety and stability of the system.
Oxygen Flush	Oxygen Flush provided for emergency oxygen (35-40 ltr./min).
O ₂ Failure Warning Device	Self activated audio warning device to indicate O ₂ pressure drop below 2.5 bar.
Nitrous cutoff	It ensures N ₂ O cutoff if Oxygen supply falls below 2.5 bar.
Common Gas Outlet (CGO)	Conveniently located CGO with ISO Standard tapers of 22mm & 15mm.
Pipeline Gas Inlets	Non-Interchangeable Quick connection pipeline inlets one each for O ₂ , N ₂ O and Air.
Pressure Gauges	Large Diameter, Colour coded gauges fitted for better visibility and clarity (One each for pin indexed yokes and corresponding piped gas inlet).
Selectatec Manifold	Twin Selectatec Type Manifold / block for mounting vaporisers.
Table top	Stainless Steel Table Top for writing and keeping medicines.
Anaesthesia Ventilator	Inbuilt / Integrated anaesthesia ventilator.
Close Circuit	Close Circuit / Circle Absorber single canister (Twin canister Optional).
Changeover Unit	Easy changeover from open to close circuit.

Ventilator Technical Specifications

Tidal Volume	40 – 1200mL
Frequency	8- 40 bpm
I:E RATIO	3:1–1:3.0
Pressure limit	65 cm H ₂ O
Airway Pressure	5-100 cm H ₂ O
Trigger	1-10cm H ₂ O
Drive mode	Pneumatically driven and microprocessor controlled.
Battery backup	90 min.

Alarms

Low Gas Supply
High Airway Pressure
Disconnection
Low Battery

Physical Specification

Size	1375 x 600 x 600mm
Weight	120kg (approx.)
Voltage	230V ± 10V, 50 Hz.
Battery	2.3 aH 12.5V

*In view of continued product improvement company reserves the right to make changes in the equipment which may affect the information contained in this leaflet without notice.

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