

TECHNICAL SPECIFICATIONS

Storage Space	Two spacious drawers to hold essential anaesthesia kit and accessories
Castors	Large roller bearing anti-static castors with front brakes
Writing Surface	Pull out writing table on top of the drawers
Monitor Shelf	Wide monitor shelf at eye level with securing provision for extra monitor
Cylinder Yokes	Color coded gas specific (pin indexed) yokes with sliding stainless steel clamping bars for easy handling. Holding 2 (Two) for O ₂ and 1 (One) for N ₂ O, 5 Ltr. water capacity cylinders
Non-return / Pressure Relief Valve	Minimises risk of back flow of gases, blows off when pressure exceeds 125 CmH ₂ O
Regulators	Designed for higher efficiency, long service life and reliability for O ₂ and N ₂ O
Oxygen Flush	Emergency oxygen flush switch at table level to give 30–70 Ltrs/min for emergencies
O ₂ Failure Warning Alarm	Self activated electro-pneumatic audio visual warning device to indicate drop in O ₂ pressure below 2.5 Bar
Hypoxic Guard (Mechanical)	Mixing device to proportion the N ₂ O in such a way that minimum of 25% O ₂ is always delivered in the gas mixture
Common Gas Outlet (CGO)	Conveniently located CGO with ISO tapers for 22 & 15mm connections
Basal flow with On/off Switch	250 ± 50 ml basal flow of Oxygen as soon as machine is switched on (optional)
Pipe Line Gas Inlets	Non-Interchangeable Screw Threaded (NIST) pipeline inlets one each for O ₂ , N ₂ O and Air. In case of drop in piped gas pressure the pin index cylinders take over automatically
Pressure Gauges	Large diameter, color coded gauges fitted at convenient angle for better visibility and clarity. One for each of the pin indexed yokes and one each corresponding to piped gas inlet
Selectatec Brackets	Twin Selectatec Block
Breathing Circuits	Bains Circuit & Circle Absorber Y-Circuit provided as standard
Communication port	RS232 & LAN Port

CASCADE FLOWMETER	
Oxygen Low Flow	0.05–1 Lpm
Oxygen High Flow	1–10 Lpm
N ₂ O Low Flow	0.05–1 Lpm
N ₂ O High Flow	1–12 Lpm
Air Low Flow	0.05–1 Lpm
Air High Flow	1–15 Lpm

PHYSICAL SPECIFICATION	
Dimensions (H x W x D)	1430 x 760 × 720 mm
Top Shelf	560 mm × 370 mm
Work Surface	560 mm × 120 mm
Drawer	2 Drawers - 460 mm × 430 mm
Weight	95 kg

VENTILATOR TECHNICAL PARAMETERS	
Tidal Volume	20–1600 ml
Frequency	1–100 bpm
I : E Ratio	4:1–1:8
PEEP	OFF, 1.0–30 cmH ₂ O
Patient Flow Trigger	0 to (-)20 cmH ₂ O
Alarm Mute	120s
Compliance	< 4ml/100Pa
Inspiratory Pause	0–50% of Ti
Flow	< 180L/min
Pressure Limiting (Pmax)	5–100 cmH ₂ O
Drive Gas	Oxygen (Standard) / Air (Optional)
Drive Mode	Pneumatically driven electronically controlled
Power	100–240vAC, 50/60Hz, 6.5A (Max.)
Power Consumption	110W
Battery Backup on Ventilator	120 minutes
Temperature	Operation: 10°C–40°C Storage : (-)20°C–55°C
Humidity	Operation : <80% Storage : <93%

Meditec ME-SORB™
CO₂ absorbent is recommended for use with Allied Meditec Neptune Plus.



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