



ALLIED
MEDICAL

Jupiter

Anaesthesia Machine



Delivering **Safe**
Anaesthesia
Solutions since 1982

Jupiter Range

MODEL	Jupiter 500	Jupiter 300	Jupiter 200
Rotameter Tubes	5 (2 O ₂ +2 N ₂ O+1 Air)	3 (1 O ₂ +N ₂ O+1 Air)	2 (1 O ₂ +1 N ₂ O)
Hypoxic Guard	Yes	Yes	Yes
On- Off Switch	Optional	Optional	Optional
Basal Flow	Optional	Optional	Optional
Cylinder Yokes	2 O ₂ + 2 N ₂ O	2 O ₂ + 2 N ₂ O	2 O ₂ + 2 N ₂ O
Pipeline Inlet (NIST)	Yes	Yes	Yes
O ₂ Gauge	3	3	3
N ₂ O Gauge	3	3	3
Air Gauge	1	1	N/A
Vaporiser Mounting Space	Dual	Dual	Dual
Bulk Cylinder Platform*	Yes	Yes	Yes
Selectatec Mounting	Optional	Optional	Optional
Circle Absorber	Optional	Optional	Optional
Auxiliary Flowmeter	Optional	Optional	Optional
Stainless Steel Body	Optional	Optional	Optional
Electrical Distribution Panel	Optional	Optional	Optional
Air Entrainment Valve	Optional	Optional	Optional
Air/N ₂ O Interlock	Optional	Optional	N/A
MOX/MNO Conversion kit	Optional	Optional	Optional

*Not available for stainless steel body models

Features

- Deep and spacious drawer units & convenient footrest
- Wide monitoring shelf at eye level with securing provision
- Convenient swivel common gas outlet
- Hook for breathing circuit
- Wipe-clean stainless steel table top
- Auxiliary high pressure Oxygen outlets
- Extended platform at rear for two 10 Ltr water capacity cylinders
- Open /Close circuit switch control
- Pin indexed yokes for O₂ & N₂O
- Convenient mounting of circle absorber
- Passive anaesthetic gas scavenging interface
- Integrated rear bumper/ side handle for improved maneuverability
- Large, roller bearing, anti-static castors with front wheel brakes

Safety Features

- Anti-hypoxic device (Hypoxic guard) a standard feature with all machines
- Emergency oxygen flush
- Alarm to provide audible indication of O₂ supply pressure failure
- Nitrous Oxide shut off in the event of O₂ failure
- Colour coded internal pipework
- Pipelines with gas selective connectors for O₂, N₂O & Air

Anaesthesia Vaporisers (Optional)

Advanced vaporisers are designed to excel in performance and output stability with minimal maintenance, providing a cost effective solution to agent delivery. Allied Meditec range provides a proven delivery system for Halothane, Sevoflurane and Isoflurane



Allied Meditec Pisces

Anaesthesia Ventilator (Optional)

Jupiter machines are ideal for use with Allied Meditec 2800 and Allied Jupiter Anaesthesia Ventilators.

Side bracket for mounting the ventilator can be provided with the machines.



Allied Meditec 2800 Ventilator



Allied Jupiter Ventilator



Allied Meditec 300 Series



Allied Meditec 700 Series

Patient Monitors (Optional)

Jupiter machines can be used with a wide range of Allied Meditec Monitoring options varying from basic pulse oximeters to multi-parameter monitors.

Standard Circle Absorber (Optional)

Single Chamber

- Suitable for low flow & minimal flow anaesthesia
- On/Off switch for online changing of soda lime
- Water drain valve
- Approx 1 kg. capacity
- APL Valve



Double Chamber

- Suitable for low flow & minimal flow anaesthesia
- On/Off switch for online changing of soda lime
- Water drain valve
- Approx 2 kg. capacity
- APL Valve
- Dual Canister
- Manometer (optional)



Meditec ME-SORB (Optional)

- Special "D" profiles with high CO₂ absorption
- High ratio of surface area to volume
- Low Interaction with anaesthetic agent



Technical Specifications

Features	Specifications																
Construction	Steel structure electrostatically powder coated or stainless steel as per requirement																
Storage Space	One drawer for keeping essential anaesthesia kit / accessories																
Castors & Foot rest	Large roller bearing anti-static castors with front brakes & foot rest																
Table top	Stainless steel																
Monitor Shelf	Wide monitor shelf at eye level with securing provision																
Cylinder Yokes	Color coded gas specific (pin indexed) yokes with sliding stainless steel clamping bars for easy handling																
Addl. Bulk Cylinder Platform*	Extended platform at rear to hold two 10 ltr. water capacity cylinders (D-type)																
Non-return cum 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, 2 each for O ₂ and N ₂ O																
Oxygen Flush	Emergency oxygen flush switch at table level to give 30-75 Ltrs/min for emergencies																
Ventilator Drive Gas (optional)	Auxiliary high pressure Oxygen outlets 2 Nos. at 400 kpa (4 Bar) at the rear																
O ₂ failure warning alarm	Self activated electro-pneumatic audible warning device to indicate drop in O ₂ pressure below 2.5 Bar																
Nitro Lock	It enables N ₂ O to cut off if Oxygen fails																
Hypoxic Guard	Mixing device to proportion the N ₂ O in such a way that minimum of 25% O ₂ is always present in the breathing gas mixture																
Common Gas Outlet (CGO)	Conveniently located Swivel type CGO with ISO tapers for 22 & 15mm connections																
Basal flow with On/off Switch (Optional)	250±50 ml basal flow of Oxygen as soon as machine is switched on.																
Flowmeter (Rotameter) Tubes	2 (Two) on Jupiter 200, 3 (Three) on Jupiter 300 and 5 (Five) {cascading for O ₂ and N ₂ O and single for Air} on Jupiter 500																
Range of Flowmeter	<table border="1"> <thead> <tr> <th>Type</th> <th>Oxygen</th> <th>Nitrous Oxide</th> <th>Air</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>0.1–10 lpm</td> <td>0.2–12 lpm</td> <td></td> </tr> <tr> <td>Cascade (low)</td> <td>0.05–1.0 lpm</td> <td>0.05–1.0 lpm</td> <td>0.2–15 lpm</td> </tr> <tr> <td>Cascade (high)</td> <td>1–10 lpm</td> <td>1–10 lpm</td> <td></td> </tr> </tbody> </table>	Type	Oxygen	Nitrous Oxide	Air	Standard	0.1–10 lpm	0.2–12 lpm		Cascade (low)	0.05–1.0 lpm	0.05–1.0 lpm	0.2–15 lpm	Cascade (high)	1–10 lpm	1–10 lpm	
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Pipe Line Gas Inlets	Non-interchangeable screw threaded (NIST) pipeline inlets one each for O ₂ , N ₂ O and Air (<i>Not available with Jupiter200</i>). In case of drop in piped gas pressure the pin index cylinders take over automatically																
Pressure Gauges	50mm 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																
Breathing Circuits	Bains circuit provided as standard. Magills antistatic rubber circuit as optional																
Others	Hook for breathing circuit, rear bumper, side handles, open/close circuit quick change-over switch. Convenient mounting position for circle absorber																
Temperature	Operation: 10°C–40°C Storage : (-)20°C – 55°C																
Humidity	Operation : 100% Storage : ≤100%																
Dimensions	<table border="1"> <thead> <tr> <th>Height</th> <th>Width</th> <th>Depth</th> <th>Work Surface Ht.</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1460mm</td> <td>680mm</td> <td>600mm</td> <td>885mm</td> <td>90 kg</td> </tr> </tbody> </table>	Height	Width	Depth	Work Surface Ht.	Weight	1460mm	680mm	600mm	885mm	90 kg						
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