



**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 <sub>2</sub> +2 N <sub>2</sub> O+1 Air)	3 (1 O <sub>2</sub> +N <sub>2</sub> O+1 Air)	2 (1 O <sub>2</sub> +1 N <sub>2</sub> O)
Hypoxic Guard	Yes	Yes	Yes
On- Off Switch	Optional	Optional	Optional
Basal Flow	Optional	Optional	Optional
Cylinder Yokes	2 O <sub>2</sub> + 2 N <sub>2</sub> O	2 O <sub>2</sub> + 2 N <sub>2</sub> O	2 O <sub>2</sub> + 2 N <sub>2</sub> O
Pipeline Inlet (NIST)	Yes	Yes	Optional
O <sub>2</sub> Gauge	3	3	2
N <sub>2</sub> O Gauge	3	3	2
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
Venturi Suction	Optional	Optional	Optional
Air Entrainment Valve	Optional	Optional	Optional
Air/N <sub>2</sub> 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 O<sub>2</sub> & N<sub>2</sub>O
- Convenient mounting of circle absorber
- Choice of backbar for SELECTATEC or Cagemount vaporisers
- Active / passive anaesthetic gas scavenging interface and suction (optional)
- Integrated rear bumper/ side handle for improved maneuverability
- Large, roller bearing, anti-static castors with front wheel brakes

## Safety Features

- Hypoxic guard as standard feature with all machines
- Emergency oxygen flush
- Alarm to provide audible indication of O<sub>2</sub> supply pressure failure
- Nitrous Oxide shut off in the event of O<sub>2</sub> failure
- Colour coded internal pipework
- Pipelines with gas selective connectors for O<sub>2</sub>, N<sub>2</sub>O & Air (optional)

## Meditec Vaporisers

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



Meditec Pisces Vaporisers

## Jupiter Ventilator

Jupiter machines are ideal for use with Jupiter Anaesthesia Ventilators.

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



Jupiter Anaesthesia Ventilator



Meditec 300 Series Monitors



Meditec 700 Series Monitors

## Meditec Monitors

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

## Standard Circle Absorber

### 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

Recommended for use with Meditec ME-SORB™ CO<sub>2</sub> absorbent.



# Technical Specifications

Features	Specifications																
Construction	Steel structure electrostatically powder coated or stainless steel or aluminium 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. Gas Supply (optional)	Extended platform at rear to hold two 10 ltr. water capacity cylinders																
Non-return cum Pressure Relief Valve	Minimises risk of back flow of gases, blows off when pressure exceeds 125 CmH <sub>2</sub> O																
Regulators	Designed for higher efficiency, long service life and reliability, 2 each for O <sub>2</sub> and N <sub>2</sub> 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 <sub>2</sub> failure warning alarm	Self activated electro-pneumatic audible warning device to indicate drop in O <sub>2</sub> pressure below 2.5 Bar																
Nitro Lock	It enables N <sub>2</sub> O to cut off if Oxygen fails																
Hypoxic Guard	Mixing device to proportion the N <sub>2</sub> O in such a way that minimum of 25% O <sub>2</sub> 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 (Option)	250±50 ml basal flow of Oxygen as soon as machine is switched on.																
Flowmeter (Rotameter) Tubes	Two on Jupiter 200 & Jupiter 200 Pro, Three on Jupiter 300 and Five(cascading for O <sub>2</sub> and N <sub>2</sub> O and single for Air) on Jupiter 500 and optional on Jupiter 200 and 300																
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 <sub>2</sub> , N <sub>2</sub> O and Air (Optional on Jupiter 200 and standard on Jupiter 200 Pro, Jupiter 300, 500) 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%																
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