

JUPITER

Anaesthesia Machine

ALIED



Jupiter SS



Jupiter Compact



Jupiter 200



ISO9001:2008

Delivering anaesthesia solutions since 1993

Jupiter Range

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



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* (optional)
- Open / Close circuit switch control
- Pin indexed yokes for O₂ & N₂O
- 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 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

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, Enflurane and Isoflurane**



| Jupiter 200 | Jupiter 200 Pro | Jupiter Compact |
|---|---|---|
| 2 (1 O ₂ + 1 N ₂ O) | 2 (1 O ₂ + 1 N ₂ O) | 2 (1 O ₂ + 1 N ₂ O) |
| Yes | Yes | Yes |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| 2 O ₂ + 2 N ₂ O | 1 O ₂ + 1 N ₂ O | 1 O ₂ + 1 N ₂ O |
| Optional | Yes | Yes |
| 2 | 2 | 2 |
| 2 | 2 | 2 |
| N/A | N/A | N/A |
| Dual | Dual | Single |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | N/A |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |
| Optional | Optional | Optional |



Circle Absorber

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



Standard Circle Absorber - 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



Special Circle Absorber - Double Chamber

- Suitable for low flow & minimal flow anaesthesia
- On/Off Switch for online changing of soda lime
- Water drain valve
- Quick release lever for easy change of soda lime
- Approx 2 kg. capacity
- Integrated Bag-Vent switch with APL valve for easy changeover from bag to ventilator
- Integrated pressure manometer, oxygen sensor port



Meditec Ventilator

Jupiter machines are ideal for use with Meditec England 2100 Ventilators.

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



Meditec 2100

Meditec Monitors

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



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 | 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 200 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 35-60 Ltrs/min for emergencies | | | | | |
| Ventilator Drive Gas | 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 | 250±50 ml basal flow of Oxygen as soon as machine is switched on. Standard on Jupiter 500 and optional on Jupiter 200 and 300 | | | | | |
| Flowmeter (Rotameter) Tubes | Two on Jupiter 200 & Jupiter Compact, Three on Jupiter 300 and Five (cascading for O ₂ and N ₂ O and single for Air) on Jupiter 500 and optional on Jupiter 200 and 300 | | | | | |
| Range of Flowmeter | Type | Oxygen | Nitrous Oxide | Air | | |
| | Standard | 0.1~10 lpm | 0.2~12 lpm | | | |
| | Cascade (low) | 0.1 ~1.0 lpm | 0.1~1.0 lpm | 0.2~15 lpm | | |
| | Cascade (high) | 1~10 lpm | 1~10 lpm | | | |
| Pipe Line Gas Inlets | Non-interchangeable screw threaded (NIST) pipeline inlets one each for O ₂ , N ₂ O and Air (Optional on Jupiter 200 and standard on Jupiter 300, 500, Compact) 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 | | | | | |
| Dimensions | Height | Width | Depth | Work Surface Ht. | Weight | |
| | SS / MS Machines | 1460mm | 680mm | 600mm | 885mm | 90 kg |
| | Aluminium Machines | 1460mm | 680mm | 600mm | 885mm | 50 kg |
| | Jupiter Compact | 1460mm | 680mm | 600mm | 885mm | 70 kg |
| MRI Compatibility | Jupiter machines can be supplied compatible with MRI on request | | | | | |



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