



ALLIED
MEDICAL

Jupiter

Anaesthesia Workstation



The Allied Jupiter workstation has been designed using the time trusted platform of the Allied Jupiter Anaesthesia Machines. The Allied Jupiter Anaesthesia workstation offers a cost-effective yet feature rich solution ideal for mid-size hospitals keeping in mind their requirements. The compact Anaesthesia workstation offers a lot of safety features essential for delivering modern day Anaesthesia.

Features

- Deep spacious drawer unit
- Two gas machine with provision for O₂ and N₂O
- Wide monitoring shelf at eye level
- Convenient common gas outlet
- Hook for breathing circuit
- Open-Close circuit switch control
- Convenient mounting of circle absorber
- Twin Selectatec mountings for 2 Agent Specific Vaporisers
- Pin Indexed yokes Two for O₂ and Two for N₂O
- Anaesthetic gas scavenging port
- Large, roller bearing, anti-static castors with front wheel brakes
- Central pipeline connections with gas specific NIST connectors

Patient Safety Features

- Integrated Hypoxic Guard
- Emergency O₂ flush
- Alarm to provide audible indication of O₂ supply pressure failure
- N₂O shut off in the event of O₂ failure
- Colour coded internal pipework
- Pressure relief valve

Integrated Circle Breathing System

- Bypass switch - Allows canister change during ventilation
- Moisture drain valve
- APL valve range 0–70 cmH₂O
- Double canister system with two canister of approx. 1kg each
- Autoclavable parts



Double Canister Circle Breathing System



Meditec Pisces

Vaporiser (Optional)

- Calibration range : 0 to 5%, 0 to 6% and 0 to 8% set by using a Laser Refractometer, Agent Capacity: 250 ± 25ml
- Easy to turn dials with safety lock to prevent accidental turn-on
- Agent specific vaporisers designed to provide constant output set by user
- Interlock mechanism to lock in series with other vaporisers
- Individually calibrated for specific anesthetic drug
- Available in Screw fill, Quik Fil[®] and Meditec Fill[™]
- Available for Halothane, Sevoflurane and Isoflurane
- 5 years warranty

*Quik Fil[®] is a registered trademark of Abbott Laboratories.

Integrated Ventilator

The Allied Jupiter Workstation comes with a uniquely designed integrated ventilator which has an unique inbuilt calculator to guide initial settings of ventilator parameters & inspiratory flow. The integrated ventilator is time cycled pressure limited electronically controlled pneumatics driven ventilator. The ventilator can be oxygen or air driven.

Features

- 3.2" monochromatic display
- Suitable for Adult and Pediatric use
- Built-in Audio-Visual alarm
- Easy to clean detachable ascending bellow unit
- Ventilator/ Standby button for changeover from automatic to manual ventilation vice-versa

Effective ventilation, extra reassurance

- The calibrated ascending bellow provide immediate visual information on the delivered tidal volume, adequacy of fresh gas flow and system leak if any.
- The bellow unit is easily detachable for cleaning purpose and it can be mounted separated if required.

Inverse Ratios

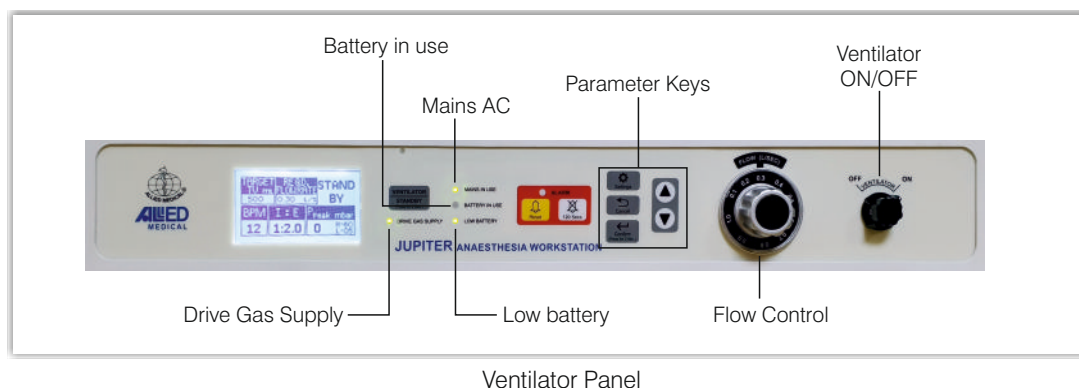
- The ventilator has the ability to adjust substantially when clinical conditions require inverse I:E.

Inspiratory flow cut off

- The inspiratory phase changes to expiratory in case the dynamic pressure reaches the high-pressure limit. High-pressure Audio-visual alarm will also be activated.

Apnea alarm/ low airway pressure alarm

- If the dynamic pressure fails to go above the low-pressure limit with in 15 sec, then the low airway audio visual pressure alarm will be activated.



Ventilator Panel

Ideal for use with (Optional)

Jupiter workstation can be used with a wide range of Meditec England products.



Meditec 300 Series Monitors



Meditec 700 Series Monitors



Meditec ME-SORB™ Sodalime

TECHNICAL SPECIFICATIONS

Storage Space	One spacious drawers for keeping essential anaesthesia kit/ accessories
Castors & Foot Rest	Large roller bearing anti-static castors with front brakes & foot rest
Monitor Shelf	Wide Monitor shelf at eye level
Cylinder Yokes	Color coded gas specific (pin indexed) yokes with sliding stainless steel clamping bars for easy handling. Holding Two O ₂ and Two N ₂ O 5 Ltr. water capacity cylinders
Non-return/ Pressure Relief Valve	Minimizes 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
O ₂ Flush	Emergency oxygen flush switch at table level to give 30-75 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
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 CGO with ISO tapers for 22 & 15mm connections
Pipeline Gas Inlets	Non-interchangeable screw threaded (NIST) pipeline inlets. 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 and Closed circuit provided as standard

CASCADE FLOWMETER

Oxygen Low Flow	0.05–1.0 lpm
Oxygen High Flow	1–10 lpm
N ₂ O Low Flow	0.05–1.0 lpm
N ₂ O High Flow	1–12 lpm

PHYSICAL SPECIFICATION

Dimensions (mm)	1550 (H) x 810 (W) x 670 (D)
Work Surface (mm)	885 (H) X 620 (W) x 250 (D)
Top Shelf (mm)	620 x 360
Drawer (mm)	510 x 320
Weight	95 kg
Power Consumption	110W

VENTILATOR TECHNICAL SPECIFICATIONS

Tidal Volume – Adult	100ml–1500ml	Low Airway Pressure (Apnea)	3–25cmH ₂ O (Adjustable)
Tidal Volume – Pediatric (Optional)	30ml–250ml	High Airway Pressure	15–80cmH ₂ O (Adjustable)
Modes	CMV, Standby & Manual	Low Supply Gas Pressure	<250 kPa
Frequency	1–100 bpm	Alarm Mute	120 Sec. except for Low Supply Gas Pressure
I:E Ratio	4:1–1:10	<i>Note: once alarm condition is rectified audio alarm will stop and visual alarm will continue till reset button is pressed.</i>	
Built-in Pressure Relief Valve	70cmH ₂ O	Power Supply	220V–240V AC 50Hz
Supply Pressure	280–700 kPa (45–100 kPa)	Internal Battery Backup	Up to 4hrs.
Graphical Pressure Indication	(-)10–80cmH ₂ O (Bar Graph)		
PEEP (Optional)	2–20cmH ₂ O		



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