



ALLIED
MEDICAL

Jupiter Plus

Anaesthesia Workstation



An innovative
answer to your
anaesthesia
challenges

Key Features

- Medical grade ABS plastic framework
- Deep spacious drawer units
- Three gas machine with provision for O₂, N₂O and Air
- 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 One for O₂ and One for N₂O
- Anaesthetic gas scavenging port
- Large, roller bearing, anti-static castors with front wheel brakes
- Electrical outlets for connecting monitors
- Central pipeline connections with gas specific NIST connectors
- Auxiliary oxygen therapy flowmeter
- Work surface lighting
- Automatic changeover from pipeline to cylinder

Integrated Circle System Absorber

- Bypass switch - Allows canister change during ventilation
- Bag ventilator switch - Easy changeover from ventilator to bag
- Automatic ventilator switching from absorber switch
- Moisture drain valve, Quick release soda lime canister system
- APL valve range 0–70 cmH₂O
- Ergonomically designed swivel breathing bag arm
- Single canister system with two canister of approx. 1kg each
- Autoclavable parts
- Airway pressure manometer



Single Canister Circle Absorber System

Vaporiser (Optional)

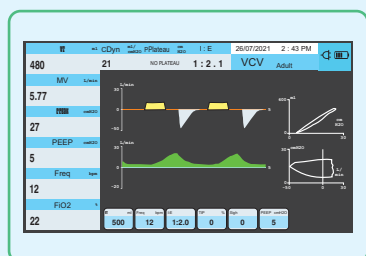
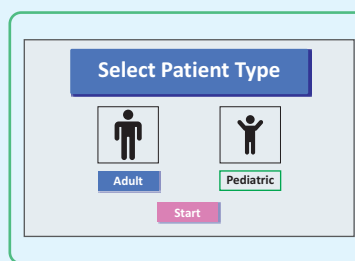
- Calibration range : 0 to 5%, 0 to 6% and 0 to 8% set by using a Laser Refractometer
- Easy to turn dials with safety lock to prevent accidental turn-on
- Agent specific vaporisers designed to provide constant output set by user
- Interlock mechanism to lock in series with other vaporisers
- Individually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



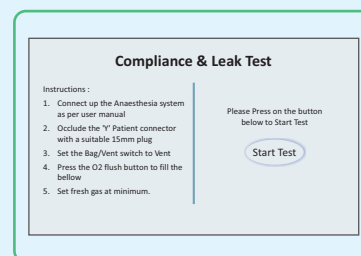
Allied Meditec Pisces



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



DATE	TIME	SETTING (OLD NEW)	ALARM/INFO
26/07/2021	14:42	MODE VCV → PCV	
26/07/2021	14:42	Peep 0 → 5	
26/07/2021	14:42	Peep PCV → VCV	Low MV 1
26/07/2021	14:42	Peep	Low MV 1
26/07/2021	14:42	MODE VCV → PCV	Low Flow 1
26/07/2021	14:42		Low Flow 1



Ventilator Display

Integrated Ventilator

Allied Jupiter Plus has an in-built ventilator incorporating simplicity with all the advantages of a modern ventilator. It is microprocessor based ventilator indigenously designed in India on the lines of MAKE IN INDIA project that provides optimum patient care in a quick to learn conventional design offering easy handling, comprehensive patient care with enhanced performance, efficiency and safety.

Anaesthesia Ventilator is an electronic time cycled compact ventilator with integrated patient alarms for safety.

- High-Luminance 7 inches Touch Screen
- Pneumatically driven electronically controlled combines sophistication and ease of use
- Adult to pediatric mode
- Ventilation Modes : VCV, PCV, V-SIMV + PSV, P-SIMV + PSV, PSV and Manual
- Electronic PEEP - Settable, 3–30 cmH₂O
- Integrated Pressure, Volume and Oxygen monitoring
- Adjustable Inspiratory time and I:E ratio
- Can be used in closed circuit anaesthesia and also to drive a bair Hugger circuit
- Easy to clean detachable ascending bellows unit
- Compliance and leak test
- Fresh gas flow compensation
- Waveforms : F-T, V-T, P-T & Spirometry Loops: F-V, V-P, P-F (Displays 2 waveforms & 2 loops, simultaneously)
- Log : 400 Events

Alarms:

- Low supply gas pressure
- Power failure
- Battery low/ discharged
- VT, MV High & Low
- Disconnection
- Airway Pressure High & Low
- Apnea
- Sustained pressure- Apnea
- Sustained pressure

Patient Monitoring (Optional)

The Jupiter Plus range offers a wide choice of Monitoring Systems with availability of optional extended parameters such as AGM, BIS, ICG, CO, 4 x IBP, EEG, Para-magnetic O₂, NMT



M700 Series Patient Monitors

ECG | NIBP | SpO₂ | 2xTEMP
RESP | EtCO₂ | AGM | CO
IBP | BIS | NMT | ICG | EEG

TECHNICAL SPECIFICATIONS

Storage Space	Two spacious drawers for keeping essential anaesthesia kit/ accessories
Castors & Foot Rest	Large roller bearing anti-static castors with front brakes & foot rest
Writing Surface	Wide table top for writing
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 One O ₂ and One 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 25-75 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	Larges 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
Air	0.2–15 lpm

PHYSICAL SPECIFICATION

Dimensions (mm)	1465 (H) × 720 (W) × 660 (D)
Work Surface (mm)	815 (H) × 540 (W) × 250 (D)
Top Shelf (mm)	625 × 320
Drawer (mm)	490 × 320
Weight	120 kg
Power Consumption	110W

VENTILATOR TECHNICAL SPECIFICATIONS

Modes	VCV, PCV, V-SIMV+PSV, P-SIMV+PSV, PSV and Manual	Minute Volume	0–40 lpm
Electronic PEEP	Settable, 3–30 cmH ₂ O	Inspiratory Pause	0–50% of Ti
Waveforms	Pressure, Flow and Volume	Adjustable Pressure Relief	0–70 cmH ₂ O
Loops	Pressure vs Volume, Flow vs Volume	Supply Gas Low Alarm	250kpa
Compensation	Fresh Gas and Compliance	Respiratory Manometer Pressure Gauge	(-)20–(+)100 cmH ₂ O
Tidal Volume	20ml–1500ml	Internal Battery Backup	120 mins
Pinsp	5–65 cmH ₂ O	Power Supply	100–250 Volts
Frequency	1–100 bpm	Pressure High Alarm	Upto 75 cmH ₂ O
I:E Ratio	4:1–1:9	Pressure Low Alarm	1–10 cmH ₂ O
Logs	400 Events	Mains Fail	Indicates main power failure
Driving Gas	Oxygen (Standard)/ Air (Optional)	Low Battery Alarm	Less than 15 minutes backup
Supply Pressure	45–100 PSI (310–700 kPa)		



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*In view of continued product improvement Allied Medical reserves the right to make changes in the equipment which may affect the information contained in this leaflet without giving any prior notice. Pictures are representative, accessories are optional and may vary at the time of supply.