

ventiPAC Anaesthesia



Model V50

Allowing the anaesthetist to take control of ventilation parameters

ventiPAC anaesthesia ventilators are inexpensive, yet powerful units specially designed for ventilation during anaesthesia. They are suitable for use with open and semi-closed anaesthesia circuits and with the Pneupac circle systems.

Features include separate controls for inspiratory & expiratory times and flow rate enabling the anaesthetist to accurately control patient's end tidal CO₂ in low flow anaesthesia. The units can be used to ventilate adults and children. For neonatal use an optional Newton Valve is used instead of the standard patient valve.

Driven by oxygen or medical air ventiPAC anaesthesia ventilators are always ready for immediate operation and can be easily transferred from one anaesthesia machine to another.

Technical Data

Principle of Operation: Flow generator, time cycled, volume preset, pressure limited

Power Source for Ventilation: Dry, oil free, filtered gas: 305 - 600 kPa at 65L/min

Inspiratory Time: 2.0 to 0.2 seconds

Expiratory Time:

Model V50: 4.0 to 0.5 seconds

Model V51: 10 to 1.0 seconds

Tidal Volume: 2000 - 50ml. (300 - 5ml with Newton Valve)

Frequency:

Model V50: 10 - 85 b/min

Model V51: 5 - 50 b/min

Minute Volume at I:E 1:2: 20 - 4.8 L/min (with Adult/Child patient valve)

Flow Range: 15 to 60 L/min

I:E Ratio: Infinitely adjustable

Inspiratory Relief Pressure: 60 x100Pa (60cmH₂O)

Inflation Pressure Monitor: Indicates from -10 to +100 x100Pa (-10 to +100cmH₂O)

Gas Consumption: V_{DEL} plus 20ml/cycle

Link Tube Microbial Filter: 25 mm dia. in-line hydrophobic filter, flow resistance < 50 x100Pa at 4 L/min, particle retention rating > 99.999% DOP aerosol 0.3 - 0.4 um with face velocity 10 L/min

Patient Valve Outlet Connection: 22/15mm co-axial taper

Newton Valve Outlet Connection: 15mm female taper

Supply Gas Input Connection: Body of NIST connector as specified in EN 739. Other gas-specific connectors are available if specified

Input Hose: 1.5 m long, 6mm bore with probe to BS 5682 oxygen as standard (alternatives available)

Dimensions: 220H x 92W x 162D mm

Weight: 2.4kg

Add-on PEEP Facility (optional): 0 - 20 x100Pa (0 - 20cmH₂O)

AlarmPAC (optional): This lightweight disconnect alarm can be attached to provide visual and audible indication of disconnection. Please refer to page 48 for further details.

ventiPAC Anaesthesia

Standard Configuration

1. Ventilator control module
2. Metal Patient Valve
3. Patient Valve (Autoclavable)
4. Input Lead 1.5 metres with BS5682 O₂ Probe
5. User manual

Ordering Information

ventiPAC Anaesthesia Models	Order No
Model V50 - Frequency Rate: 10 - 85 b/min	V50CE
Model V51 - Frequency Rate: 5 - 50 b/min	V51CE

Ordering Example: V51/CE

= **1)** ventiPAC anaesthesia ventilator with frequency rate 5 - 50 b/min (V51CE)

ventiPAC Anaesthesia

Configuration Options & Accessories

	Suffix
MRI Compatible	MRI
Gas Air	GA
Anti-Static Supply Hose	HA
Mini Schrader Probe	PM
Newton Neonatal Valve with Relief Valve	VN
Rail Mounting Bracket	MR
Pole Mounting Bracket (0-1")	MP

Spares

	Order No
Newton Neonatal Valve with Relief Valve	500-A4578
Standard Patient Valve (adult/child) with Relief Valve	500-A5155
Relief Valve 60cmH ₂ O with Alarm	500A247CE-60
Relief Valve 40cmH ₂ O	500A243CE-40
Relief Valve 60cmH ₂ O	500A243CE-60
Relief Valve 80cmH ₂ O	500-A243/80
Pole Mounting bracket	500-A4844
Medirail Mounting Bracket	500-A4843
User Manual	504-1118/CE

Ordering Example: V51CE/HA/MRI/VN

- = **1)** ventiPAC anaesthesia ventilator with frequency rate 5 - 50 b/min (V51CE)
- + **2)** Anti static supply hose (Suffix HA)
- + **3)** MRI Compatible (Suffix MRI)
- + **4)** Newton Neonatal Valve (Suffix VN)