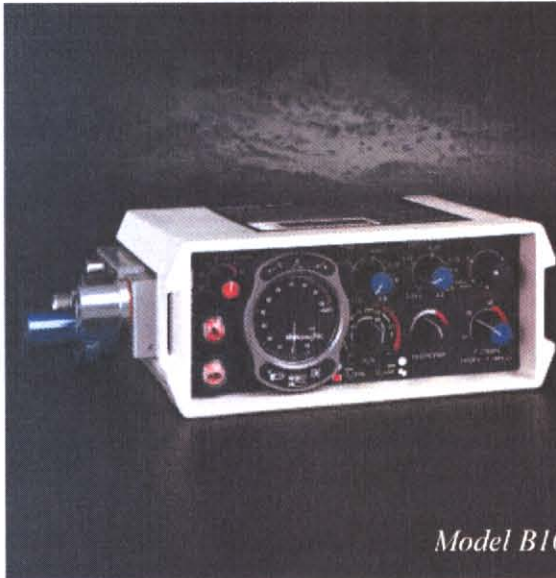


babyPAC



Model B100

Emergency and transport ventilation for your younger patients

The babyPAC ventilator is designed for ventilation during transportation of neonates and infants up to 20kg. It is gas driven and allows you to ventilate and resuscitate babies without delay, avoiding the need to transport large expensive equipment to the patient. The unit is MRI compatible and can be attached to the side of an incubator giving maximum flexibility for transport within the hospital. A particular feature is its unique gas mixing system, which allows you to extend cylinder life for long transport situations. Within a compact package the babyPAC ventilator provides all the features required to control and monitor ventilation parameters.

Keeping you in control at all times

Technical Data

Principle of Operation: Time cycled, pressure generator

Power Source for Ventilation: Dry, oil free, filtered gas:
305 - 600 kPa at 20 L/min

Inspiratory time: 0.25 - 2.0 seconds

Expiratory time: 0.25 - 4.0 seconds

Expiratory time, IMV: 2.5 - 40 seconds

Tidal Volume: 0 to 330 ml

Frequency: 10 - 80 b/min (I:E 1:2)
12 - 96 b/min (I:E 1:1.5)
15 - 120 b/min (I:E 1:1)

Flow in Breathing Circuit: Preset at 10 L/min

Delivered Inspiratory Flow: 0 - 10L/min

Inspiratory Pressure Control: 10 - 70 x100Pa
(10 - 70cmH₂O) with click action warning above
40 x100Pa (40cmH₂O)

Calibrated Variable Oxygen Concentration:
45 - 100% with oxygen only as supply
21 - 70% with oxygen and air supplies

Audible High Pressure Alarm: 12-80 x100Pa (12-
80cmH₂O) with pressure limiting

Passive PEEP Control: 0 - 20 x100Pa (0 - 20cmH₂O) with
click action warning above 10 x100Pa (10cmH₂O)

Active PEEP/CPAP: 3 - 20 x100Pa (3 - 20cmH₂O) with
click action warning above 10 x100Pa (10cmH₂O)

Patient Pressure Monitor: Indicates from
-10 - 100 x100Pa (-10 - 100cmH₂O)

Gas Consumption: Typical operating time with E-sized O₂
cylinder (5.4 L water capacity; 680 L at 137 bar),
depending on O₂ settings, 2 - 6 hours CMV; 1.0 - 2.6
hours CPAP

Alarm System (model B100 only): Visual and audible
alarms for high pressure, continuous pressure, low
pressure/disconnect, low gas supply pressure and low
battery

Battery for Powering Alarm System: Single cell 3V
Lithium, size 123A (camera battery) or size AA, 3.6V
Lithium supplied by Pneupac and suitable for MRI use

MRI Compatible: Testing has confirmed compatibility in a
3 Tesla actively shielded magnet with a max gradient of
430 G/cm and RF of 0.82 W/kg at 125.5 MHz.

Patient Circuit Connectors: 22/15 co-axial conical

Patient Circuit: Autoclavable, 6mm bore silicone rubber
hose with plastic 15mm conical connectors

Supply Gas Input Connectors: Non interchangeable,
proprietary, gas specific, permanent connectors. User
connections conforming to certain National and
International Standards available as options.

Input Hoses: As standard 2 metre long, 3mm bore with
probes to BS5682 for oxygen and air. Colour coded to
BS1319 and ISO32. (Oxygen white, Air black with white
bands) Alternative hoses available as options

Dimensions: 92H x 250W x 162D mm

Weight: 3.75kg (excluding hoses and patient circuit)

Standards: Satisfies all the stringent demands of the
latest standard for emergency and transport ventilators,
EN 794-3, 1999 (Drop and water resistant tested). CE
marked.