Penlon Nuffield

Anesthesia Ventilator

A new, MRI-compatible, pneumatically driven ventilator

This time-cycled unit is powered by medical air or oxygen at 340 kPa- 410 kPa and has pre-set volume and flow rate. The Nuffield 200 is a pneumatically driven time-cycled ventilator. The four controls provide a wide range of settings that enable a constant flow during the inspiratory phase and infinite variability of I:E settings. A suitable ventilator alarm and pollution control system is available for use with the Nuffield 200 if required.

Features:

Simple Controls

A wide range of settings enable a constant flow during the inspiratory phase and infinite variability of I:E settings.

IDP Alarm

A suitable ventilator alarm and pollution control system can be attached to the ventilator, if required

Manometer

Respiratory manometer with a range of -20 to 100 cmH2 O and zero adjustment facility.

Newton Valve

The Standard Patient Valve can be replaced with the Newton Valve for the ventilation of small patients

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SPECIFICATIONS

Weight:
6.8 lbs (3.1 kg)

Power Source
Medical air or oxygen at 340 kPa (50 lbf/in2) - 410 kPA (60 lbf/in2)

Tidal Volume
10ml - 300ml (Newton Valve)
50ml - 2000ml (Standard Valve)

Frequency
10 - 85 (cycle/min)

Frequency for HFPPV
60 - 125 (cycle/min)

Inspiratory Flow (litres per sec)
0.25 - 1.0 (independent and continuously variable)

I:E Ratio
Continuously variable and dependent on chosen I & E settings

Gas Consumption
Minute volume plus 0.1 litre/ cycle to power fluid logic circuit

Minute Volume
1.0 - 30.0 litres

Inspiratory
Time: 0.2 - 2.0 sec. (independent and continuously variable)
Flow: 0.25 - 1.0 litres/ sec (independent and continuously variable)
Pressure Relief: 60cm H2O

Expiratory
Time: 0.5 - 4.0 sec. (independent and continuously variable)
Resistance: 2.5 cm H2O/litre
Respiratory Manometer: Range -20 to +100cm H2O with zero adjust facility

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