Penlon Nuffield 200 Ventilator

**Features and Benefits**

- Compact, easy to use
- Multi-use capabilities
  - Co-Axial Circuit
  - Ayre's Tee Circuit
  - Circle System (with Penlon A200SP absorber)
  - Resuscitation
- Use with a Newton Valve to deliver ultra low tidal volumes for neonates and premature babies

**Technical Specification**

<table>
<thead>
<tr>
<th>Physical</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>270 x 210 x 100 mm (H x W x D)</td>
</tr>
<tr>
<td>Weight</td>
<td>3.25 kg</td>
</tr>
<tr>
<td>Drive Gas</td>
<td>Medical Air or Oxygen: 340 kPa [50 lbf/in²] to 410 kPa [60 lbf/in²]</td>
</tr>
<tr>
<td>Gas Consumption</td>
<td>Minute volume plus 0.1 litre/cycle to power fluid logic circuit</td>
</tr>
<tr>
<td>Frequency (cycle/min)</td>
<td>10 to 85</td>
</tr>
<tr>
<td>Frequency for HFPPV (cycle/min)</td>
<td>60 to 125</td>
</tr>
</tbody>
</table>

**Tidal Volume (Vt)**

- 10 to 300 ml (Newton Valve), 50 to 2000 ml (Standard Patient Valve)

**Minute Volume**

- 1 to 30 litres

**Inspiratory Time**

- 0.2 to 2.0 seconds (independent and continuously variable)

**Expiratory Time**

- 0.5 to 4.0 seconds (independent and continuously variable)

**Inspiratory Flow**

- 0.25 to 1.0 litres/second (independent and continuously variable)

**I:E Ratio**

- Continuously variable and dependent on chosen I:E settings

**Inspiratory Pressure Relief**

- 60 cmH₂O

**Expiratory Resistance**

- 2.5 cmH₂O

**Respiratory Manometer**

- Range -20 to +100 cmH₂O, with zero adjust facility