Baby CPAP

a life saving respiratory solution for infants and children

Breathing life into vulnerable infants
Referred to as the ‘miracle machine’ by nurses

Saving lives around the world
An essential and effective respiratory solution

A cost effective choice
No need for external oxygen supply

Diamedica’s Baby CPAP is actively reducing infant mortality statistics
Diamedica Baby CPAP gives tiny, vulnerable patients the chance to live

### Saving lives
- Diamedica’s Baby CPAP is significantly reducing infant mortality rates
- It is mounted on castors making it quick and easy to transport between patients

### An asset, not a cost
- As a completely self-contained unit, the Baby CPAP provides up to 95% oxygen and its own medical air
- Humidifier ensures appropriate warmth and moisture for air and oxygen to be delivered to patient

### Simple to use
- Precision designed for simplicity of use, low maintenance and easy servicing
- Users easily trained
- Clear oxygen/air mixing chart allows for easy setting of flow rates and oxygen concentration levels

### Cost effective choice
- Inexpensive to run and no need for costly oxygen and air cylinders
- Built for durability

### Quality
- Engineered and manufactured in the UK
- CE Certified by an internationally recognised notified body

### Training and support
- Full training available in Baby CPAP use and maintenance
- Free technical support for the lifetime of the machine
- Each unit is supplied with a comprehensive user manual and training demonstration videos

“In urban areas of developing countries, infant mortality rate remains particularly high at 61 deaths per 1,000 live births in Africa”

*World Health Organization*
### Baby CPAP Specifications

<table>
<thead>
<tr>
<th></th>
<th>16 l/min (20 l/min option available)</th>
<th>8 l/min (10 l/min option available)</th>
<th>8 l/min (10 l/min option available)</th>
<th>21% - 95%</th>
<th>No</th>
<th>1 - 10cm H₂O. Set by the bubble controller</th>
<th>Yes</th>
<th>Adjustable. 2 sets included as standard. Autoclavable circuits optional</th>
<th>5 sizes available, 2 included as standard</th>
<th>8 sizes available, 4 included as standard</th>
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</thead>
<tbody>
<tr>
<td><strong>Maximum blended gas flow</strong></td>
<td>Oxygen flow capability</td>
<td>Air flow capability</td>
<td>Oxygen concentration</td>
<td>External compressed gas required</td>
<td>Pressure</td>
<td>Humidification</td>
<td>Inspiratory/Expiratory tubing</td>
<td>Neonate bonnets</td>
<td>Silicone nasal prongs</td>
<td></td>
</tr>
<tr>
<td><strong>Oxygen flow capability</strong></td>
<td>8 l/min (10 l/min option available)</td>
<td>8 l/min (10 l/min option available)</td>
<td>8 l/min (10 l/min option available)</td>
<td>No</td>
<td>1 - 10cm H₂O. Set by the bubble controller</td>
<td>Yes</td>
<td>Adjusted. 2 sets included as standard. Autoclavable circuits optional</td>
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<tr>
<td><strong>Air flow capability</strong></td>
<td>8 l/min (10 l/min option available)</td>
<td>8 l/min (10 l/min option available)</td>
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<td>Yes</td>
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<tr>
<td><strong>Oxygen concentration</strong></td>
<td>21% - 95%</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>8 sizes available, 4 included as standard</td>
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<td><strong>External compressed gas required</strong></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>8 sizes available, 4 included as standard</td>
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</tr>
<tr>
<td><strong>Pressure</strong></td>
<td>1 - 10cm H₂O. Set by the bubble controller</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Adjustable. 2 sets included as standard. Autoclavable circuits optional</td>
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<td>8 sizes available, 4 included as standard</td>
<td></td>
</tr>
<tr>
<td><strong>Humidification</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>8 sizes available, 4 included as standard</td>
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<tr>
<td><strong>Inspiratory/Expiratory tubing</strong></td>
<td>Adjustable. 2 sets included as standard. Autoclavable circuits optional</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Neonate bonnets</strong></td>
<td>5 sizes available, 2 included as standard</td>
<td>8 sizes available, 4 included as standard</td>
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<td>8 sizes available, 4 included as standard</td>
<td></td>
</tr>
</tbody>
</table>

### Oxygen/air mixing chart

#### Air Flowmeter (l/min)

<table>
<thead>
<tr>
<th>Oxygen Flowmeter (l/min)</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>95.0</td>
<td>57.5</td>
<td>45.0</td>
<td>38.8</td>
<td>35.0</td>
<td>32.5</td>
<td>30.7</td>
<td>29.4</td>
<td>28.3</td>
</tr>
<tr>
<td>2</td>
<td>95.0</td>
<td>70.0</td>
<td>57.5</td>
<td>50.0</td>
<td>45.0</td>
<td>41.4</td>
<td>38.8</td>
<td>36.7</td>
<td>35.0</td>
</tr>
<tr>
<td>3</td>
<td>95.0</td>
<td>76.3</td>
<td>65.0</td>
<td>57.5</td>
<td>52.1</td>
<td>48.1</td>
<td>45.0</td>
<td>42.5</td>
<td>40.5</td>
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<tr>
<td>4</td>
<td>95.0</td>
<td>80.0</td>
<td>70.0</td>
<td>62.9</td>
<td>57.5</td>
<td>53.3</td>
<td>50.0</td>
<td>47.3</td>
<td>45.0</td>
</tr>
<tr>
<td>5</td>
<td>95.0</td>
<td>82.5</td>
<td>73.6</td>
<td>66.9</td>
<td>61.7</td>
<td>57.5</td>
<td>54.1</td>
<td>51.3</td>
<td>48.8</td>
</tr>
<tr>
<td>6</td>
<td>95.0</td>
<td>84.3</td>
<td>76.3</td>
<td>70.0</td>
<td>65.0</td>
<td>60.9</td>
<td>57.5</td>
<td>54.6</td>
<td>52.1</td>
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<tr>
<td>7</td>
<td>95.0</td>
<td>85.6</td>
<td>78.3</td>
<td>72.5</td>
<td>67.7</td>
<td>63.8</td>
<td>60.4</td>
<td>57.5</td>
<td>55.0</td>
</tr>
<tr>
<td>8</td>
<td>95.0</td>
<td>86.7</td>
<td>80.0</td>
<td>74.5</td>
<td>70.0</td>
<td>66.2</td>
<td>62.9</td>
<td>60.0</td>
<td>57.5</td>
</tr>
</tbody>
</table>

#### Assumptions:
- **Assuming an oxygen concentrator output of 95% oxygen**
- **Oxygen Flowmeter (l/min)**
- **% Oxygen**

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