



# 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 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

# Baby CPAP

Neonate bonnets

Easy to use Velcro fixing straps and chin strap

Reusable silicone nasal prongs

Adjustable inspiratory and expiratory tubing

Bubble pressure controller 1- 10cm H<sub>2</sub>O

Maximum pressure in the circuit is set by the bubble controller at a simple turn of a knob



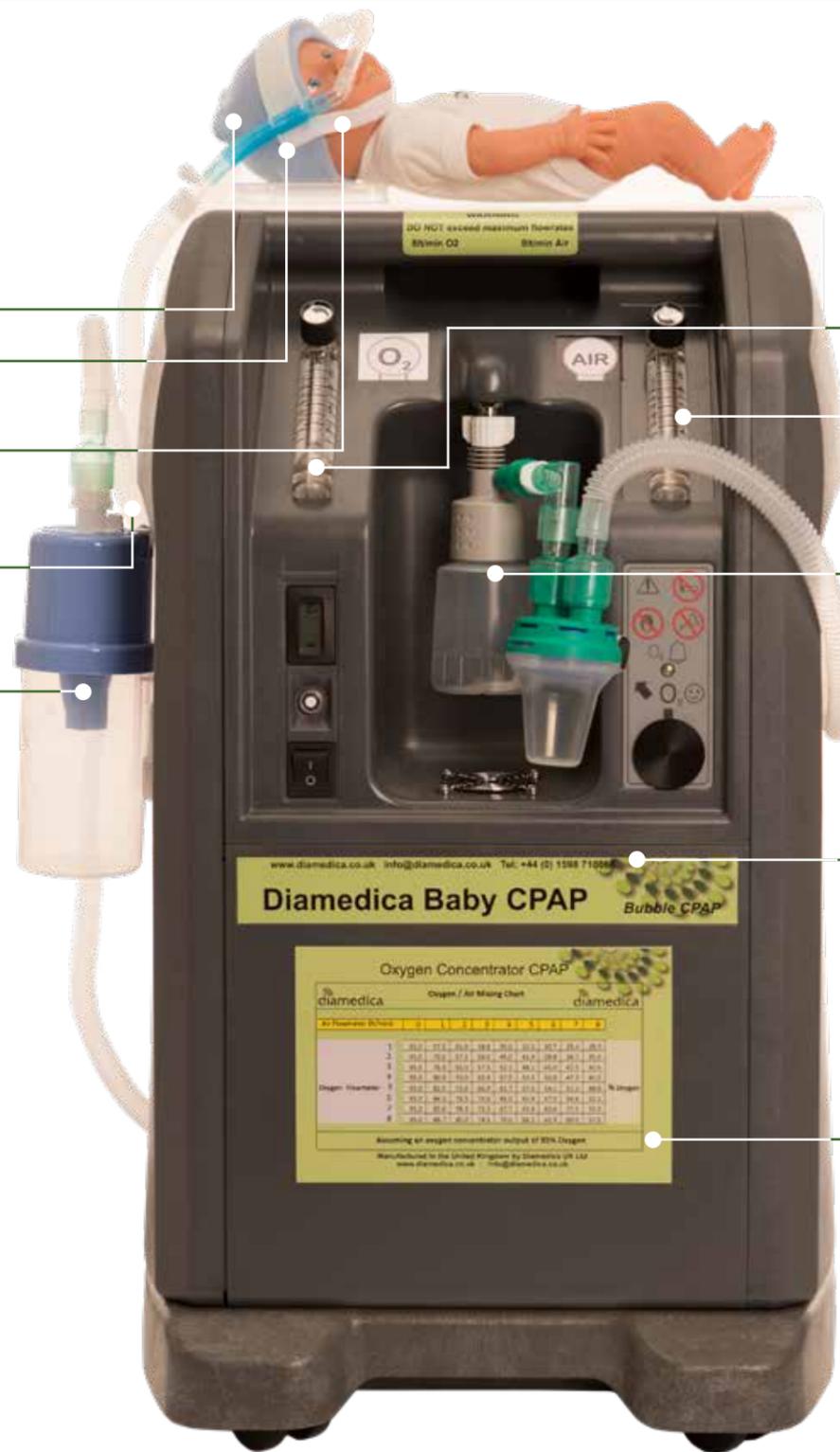
Oxygen flowmeter

Air flowmeter

Humidifier

Oxygen Concentrator, twin flowmeter for up to 8 l/min oxygen and 8 l/min medical air – no external gas supply required

Oxygen/air mixing chart



“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

See over for technical information ▶

# Baby CPAP

## Specifications

Maximum blended gas flow	16 l/min (20 l/min option available)	Silicone nasal prongs	8 sizes available, 4 included as standard
Oxygen flow capability	8 l/min (10 l/min option available)	Velcro fixing straps and chin strap	Yes
Air flow capability	8 l/min (10 l/min option available)	Gas sample port and connector	Yes
Oxygen concentration	21% - 95%	Alarms	High temperature, power failure, high and low pressure, battery test, low oxygen concentration
External compressed gas required	No	Mobility	4 antistatic castors
Pressure	1 - 10cm H <sub>2</sub> O. Set by the bubble controller	Power	220-240 VAC, 50 Hz
Humidification	Yes	Power consumption	430 Watts
Inspiratory/Expiratory tubing	Adjustable. 2 sets included as standard. Autoclavable circuits optional	Dimensions	37 x 46 x 70cm
Neonate bonnets	5 sizes available, 2 included as standard	Weight	26kg

## Oxygen/air mixing chart

Air Flowmeter (l/min)

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

Assuming an oxygen concentrator output of 95% oxygen

  
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Ref: CPAP/2018/001