

## Pumani bCPAP Specification Sheet

### Indications for Use

The Pumani bCPAP is a low-cost respiratory support device for newborns and children. The Pumani bCPAP is a type of bubble Continuous Positive Airway Pressure (bCPAP) therapy, which is the common mode of treatment for respiratory distress syndrome (RDS) in premature neonates and for respiratory illness in young children. The Pumani bCPAP provides a continuous flow of pressurized air into the patient's nostrils via nasal prongs which allows the patient's airway to remain open and prevents the patient's lungs from collapsing during exhalation. The Pumani bCPAP is designed for patients who weigh between 1 and 10 kg, and it includes an oxygen blender that allows users to provide 21-90% oxygen to the patient when an external oxygen source is connected to the Pumani bCPAP.

### Performance

Total (blended) Flow	0-10 L/min
Oxygen Flow Capability	0-10 L/min
Pressure	5-8 cm H <sub>2</sub> O
Voltage	220V
Max Power Consumption	15 Watts
Pumani bCPAP Dimensions	36 cm x 25 cm x 19 cm
Pumani bCPAP Weight	7.5 kg
Full Package Dimensions	48 cm x 38 cm x 31 cm
Full Package Weight	12 kg



### Features

The Pumani bCPAP is:

- Low-cost: costs a fraction of the price of other bCPAPs
- Easy to use: hospital staff can be trained to use in a day
- Easy to repair: spare parts and repair instructions included
- Durable: designed to run continuously for years
- Effective: provides the [same level of therapeutic pressure](#) as other commercial bCPAPs with [good clinical results](#)

### Service Items and Accessories

The Pumani bCPAP contains a spare parts kit with items that may break or be misplaced during use. A repair manual is also included with the device. The complete Pumani package includes: one Pumani bCPAP device, a user and repair manual, spare parts kit, a 'starter kit' of accessories, and online training videos and materials. Additional accessories are available for sale separately.

### Regulatory Status

Hadleigh Health Technologies is an ISO 13485-registered company and has received the CE Mark for the Pumani bCPAP.