



Bubble CPAP System

With a promise to enhance every newborn's initial experience to our world we deliver superior quality care and comfort. With modern designing & advanced humidification technology, we developed **AVINA Bubble CPAP System** for improved infant respiratory care.

AVINA Bubble CPAP System is a complete non invasive ventilatory support system comprising Neonatal Gas Delivery Bubble CPAP generator, Patient breathing circuits and Humidifier.

Our Bubble CPAP range includes following models:

» AVINA Bubble CPAP with Respiratory Humidifier & Air Oxygen Blender

» AVINA Bubble CPAP with Servo Humidifier & Air Oxygen Mixer

» AVINA Bubble CPAP with Inbuilt Air compressor, Inbuilt Air Oxygen Blender & Servo Humidifier

AVINA Bubble CPAP

SERVO HUMIDIFIER & AIR OXYGEN MIXER



Infant Gas Delivery Unit

- Air-O₂ Mixer mixes Air & O₂ from 21% to 100% based on their flow levels.
- Flow meter controls the flow of Air-O₂ from 0 to 15LPM
- Analog Manometer displays the delivered pressure.
- MAP Valve controls the maximum pressure to be delivered.

Breathing Circuit

- Heated Wire based circuit with corrugated, flexible & light weight breathing tubes.
- Maintains the temperature along the tube for consistent flow of warm and humid air.
- Disposable & Re-usable options available.

Servo Humidifier

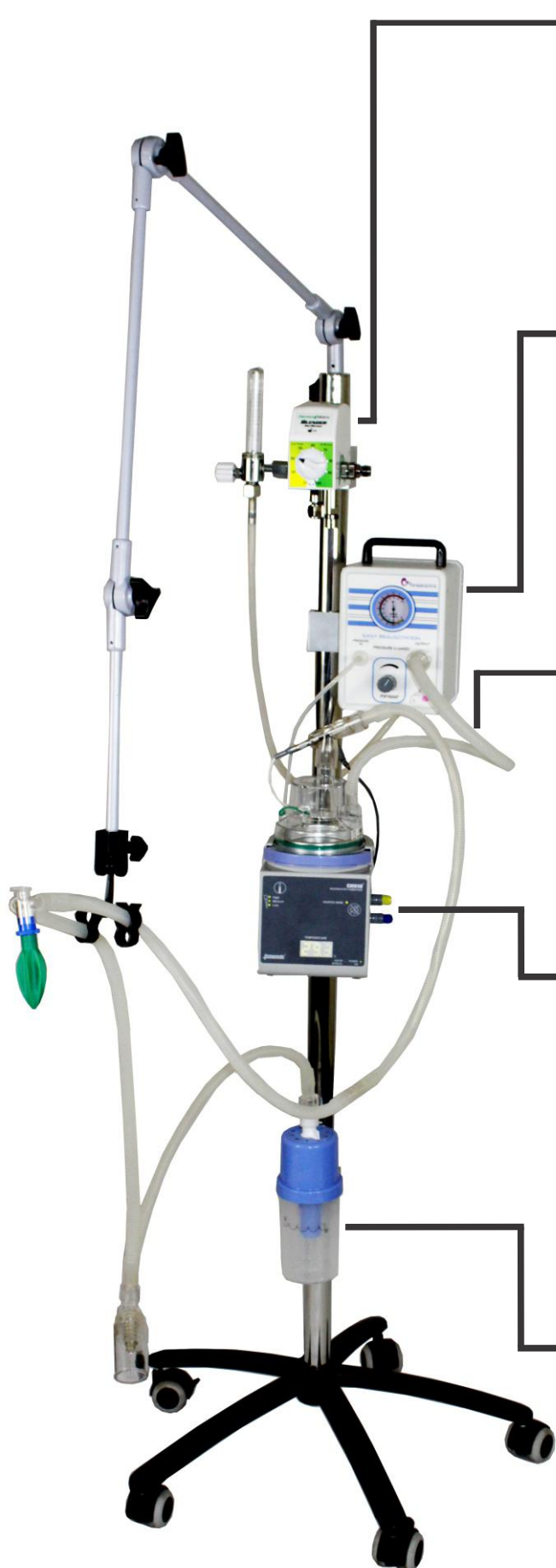
- Dual Control : Air & Chamber Temperature
- Operation: Invasive as well as Non-Invasive
- With High/Low alarms for Air & Chamber mode
- Heated wire operation

Bubble Generator

- CPAP Pressure - 0 to 10 cmH₂O
- Rotating Pressure Adjustment Lever
- 360 degree Swivel inlet connector
- Easy to refill water level adjustment port

AVINA Bubble CPAP

RESPIRATORY HUMIDIFIER & AIR OXYGEN BLENDER



Air - O₂ Blender with Flowmeter

- Modular design for reduce maintenance time & cost
- Infection control friendly, easy to clean housing
- Maintains FiO₂% even at low flows
- Flow meter controls the flow of Air-O₂ from 0 to 15 LPM

Infant Gas Delivery Unit

- Simplistic & Easy to use design
- Mountable & Compact
- Analog Manometer displays the delivered pressure.
- MAP Valve controls the maximum pressure to be delivered.

Breathing Circuit

- Heated Wire based circuit with corrugated, flexible & light weight breathing tubes.
- Maintains the temperature along the tube for consistent flow of warm and humid air.
- Disposable & Re-usable options available.

Respiratory Humidifier (CH510)

- Simplicity with High Quality
- Best suited for Non-invasive Ventilation
- Three Level Temperature Control
- Over-Heat protection
- Digital display for Airway temperature with Alarms

Bubble Generator

- CPAP Pressure - 0 to 10 cmH₂O
- Rotating Pressure Adjustment Lever
- 360 degree Swivel inlet connector
- Easy to refill water level adjustment port

AVINA Bubble CPAP

Inbuilt Air Compressor, Inbuilt Air Oxygen Blender and Servo Humidifier

The image shows the AVINA Bubble CPAP system. It consists of a main unit on a stand with a control panel, a bubble generator, a breathing circuit, and a servo humidifier. Arrows point from the text descriptions to the corresponding parts of the machine.

Infant Gas Delivery Unit

- Inbuilt Air Compressor
- Inbuilt Air-Oxygen blender
- Safe & Controlled FiO_2 concentration
- Portable & Compact design
- Quiet (<55 dB)& Low Maintenance
- Oxygen Inline : 0.3MPa - 0.4MPa
- Flow meter : 0-10 LPM

Bubble Generator

- CPAP Pressure - 0 to 10 cmH_2O
- Rotating Pressure Adjustment Lever
- 360 degree Swivel inlet connector
- Easy to refill water level adjustment port

Breathing Circuit

- Heated Wire based circuit with corrugated, flexible & light weight breathing tubes.
- Maintains the temperature along the tube for consistent flow of warm and humid air.
- Disposable & Re-usable options available.

Servo Humidifier

- Dual Control : Air & Chamber Temperature
- Operation: Invasive as well as Non-Invasive
- Heated wire & Non heated wire mode
- With High/Low alarms for Air & Chamber

Technical Specifications

Air Oxygen Blender



Outlet Flow Range	0-30 LPM
Bleed Flow	3 LPM or less at 3.4 bar
Max. Flow	≥30 LPM
Bypass Alarm	3.45 -4.14 bar
Supply Pressure	30 - 75 PSI(2.1 - 5.2 bar)
O ₂ conc. Range	21 - 100%
Dimension	12.5 x 5.7 x 10.4 cm



Servo Humidifier

Voltage Rating	230V, 50/60 Hz
Dimension	26 x 17 x 24 cm
Temperature Display	10-50°C
Weight	5 Kg
Alarm	Heater sensor, Sensor displacement, High & Low temperature
Temperature Range	Chamber : 31-42°C Airway : 28-40°C
Heated wire Mode	Available
Non Heated wire Mode	Available

Respiratory Humidifier (CH510)



Voltage Rating	230V, 50/60Hz
Dimension	18 x 16 x 16 cm
Temperature Display	Temp. Display
Weight	5 Kg
Alarm	(Hi) High Temp, (Lo) Low Temp, Sensor Fail (E3), Heater Plate Failure Alarm (E1)
Temperature Range	Low / Medium / High
Heated wire Mode	Available
Non Heated wire Mode	Available

Infant Gas Delivery Unit



Dimension	13 x 15 x 19 cm
Weight	2 Kg
Pressure Dial	Analog
Air Flow meter	NA
Air Oxygen Mixer	NA
PIP/MAP	21 - 100 cmH ₂ O



Dimension	13 x 15 x 19 cm
Weight	2 Kg
Pressure Dial	Analog
Air Flow meter	0-15 LPM
Air Oxygen Mixer	0-15
PIP/MAP	21 - 100 cmH ₂ O
Operating Pressure	2.5 - 3.5 bar

Nasal CPAP Interface

INFANT BONNET



Size 36-46



Size 29-36

NASAL TUBING



NASAL PRONGS



B30K20



B35K20



B40K30



B45K40



B50K50

* AVI Healthcare Pvt Ltd reserves right to make changes without notice in design, specifications and models

Manufactured by:



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