



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 O₂ 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

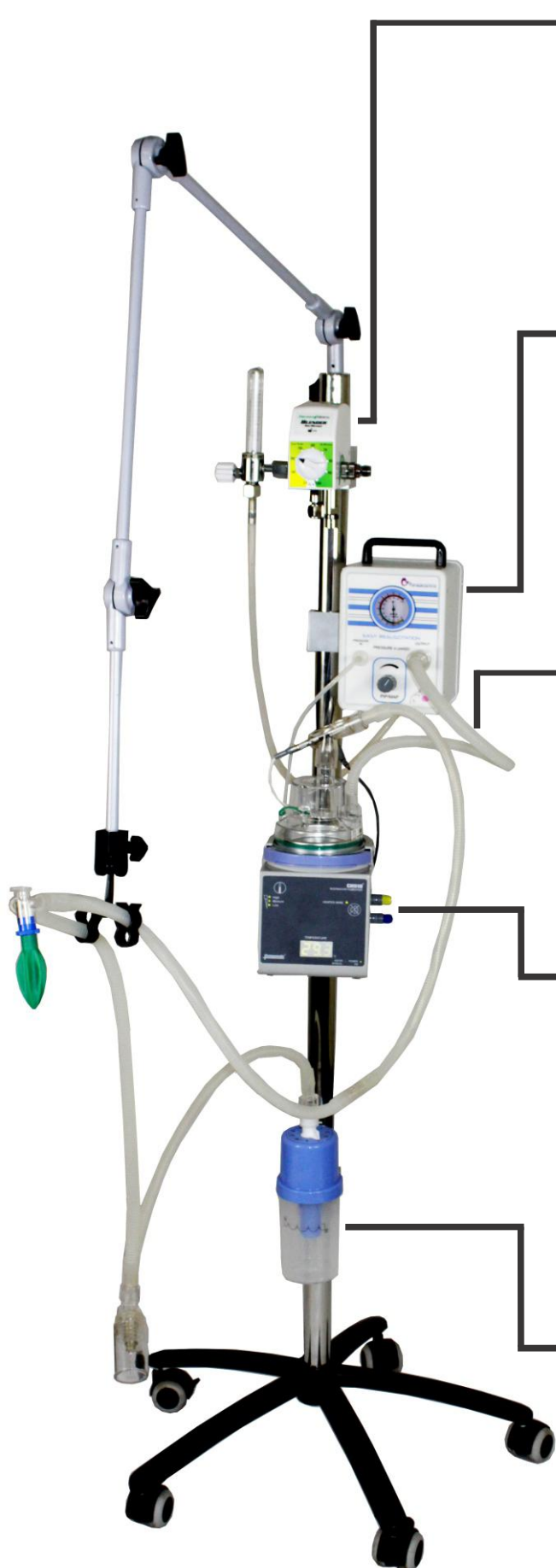
- Dual Control : Air & Chamber Temperature
- Operation: Invasive as well as Non-Invasive
- With High/Low alarms for Air & Chamber mode
- Heated wire operation

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



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

Manufactured by:

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

 **AVI Healthcare Pvt Ltd**
Manufacturing Neonatal Equipments "Glocally"

ISO 13485:2003
CERTIFIED COMPANY

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