

BUBBLE CPAP

UNIQUE FEATURES :

It is based on the usual concept of providing CPAP by maintaining a continuous flow of blended gas in the patient circuit and exiting through a water column. Blending of air and oxygen is done by an electronic blender with a digital display. Most importantly, air is supplied by a Air Compressor

The unit comes in all-in-one pack comprising of the Air Compressor, electronic blender, flow controller, servo controlled humidifier, heated breathing circuit, patient manifold and the pressure generator.





BUBBLE CPAP

TECHNICAL SPECIFICATION :

Clinical application	Its primary purpose is to maintain or assist the patient's breathing when they are unable to do so effectively on their own CPAP units deliver air or a mixture of air and oxygen (O ₂) at high flow rates through tubing to a nasal or oral-nasal mask which is affixed to the patient's face
Modes	Bubble CPAP
Type of Technology	Air Compressor
CPAP	1 to 10 cmH ₂ O
Increments of variations in CPAP	1 cm
Air oxygen blender	In built
FiO ₂ with tolerance (+/- 2 %)	21% to 100% (+/- 2 %)
Flow range	0 -30 L/min
Humidifier	Heated wire servo controlled humidifier
Display of temperature	Near patient end of the circuit
Water chamber	1 numbers Reusable water chamber
Heated wire silicone tubing circuit for infant/Newborn	1 numbers Reusable Silicon
Pressure release valve	15cmH ₂ O to 17cmH ₂ O
Weight in kg	30 kg
Noise level in dB	65
Alarms	Audio alarm
Alarm sound level in dB	65
Patient Interface	Nasal Prongs
Air and O ₂ hose length	> 3 m
Power Supply	230 V, 50 Hz, Single phase
Standards	ISO 13485:2016
Conformity to electrical safety standards	IEC 60601-1-2:2007, IEC 60601-1-8-2006: IEC 60601-1