

Acquatherm™

bubble CPAP





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bubble
CPAP

Advantages of Acquatherm :

- Clinical studies have proved that high water vapour is effective in mobilizing thickened airway secretions.
- Breathing warm & humidified gases from **Acquatherm™** is an effective method of core rewarming.
- Warm humid gases have been found to inhibit the nasal response to allergy. Water vapour at 41°C is as effective as aerosol therapy in reducing allergic rhinitis symptoms.
- The effect of heat & humidity optimize the use of nasal Cannula thus helps the Practitioner to use higher flows.
- Provides the User to use higher flows without adverse effects & patient's discomfort like nasal drying, bleeding & septal breakdown.
- Higher flow provides numerous clinical advantages

Advantages of **Acquatherm™** when combined with the advantages of High Frequency Oscillatory Ventilation effect of Bubble CPAP is a Boon for the Infant Care takers.

Bubble CPAP Comprises :

- An Air Oxygen Blender to control the FiO_2 accurately.
- In built oil free Dry Air Compressor.
- Separate Flow meter & flow controller
- In line water Manometer provided to indicate the CPAP level.
- CPAP water bottle with tube to set the desired CPAP levels.
- Safety Pop off valve preset at 40 cm H_2O .



Clinical studies have proved that **Bubble CPAP** produces **High Frequency Oscillatory Ventilation** effect that helps in better gas exchange.

Acquatherm™ is an innovative system manufactured by Shreeyash for the first time in the medical history, which can deliver high flows of Air or Oxygen ranging from 1 to 15 LPM. The high flows of gases are warmed at body temperature & are humidified up to 99 to 100% relative humidity & are delivered via nasal Cannula.

Importance of Heat and Humidity :

Heat and Humidity prevents airway water loss, airway cooling, thickened secretions, nasal irritation & bleeding. **Acquatherm™** allows delivery of breathing gases heated to body temperature & at nearly 100% relative humidity by Cannula without drying or cooling the airway.