

- Taurus T7 Respiratory heated humidifier is used to warm and humidify gases delivered to patients requiring mechanical ventilation, positive pressure breathing assistance, or other medical gases.
- The Servo Controlled Respiratory Heated Humidifier is designed to deliver optimally humidified gas to adult, neonatal and infant patients. This dual feedback system is designed to optimize humidity output while adjusting to changes in the environment.

DEVICE DESCRIPTION & USER ENVIRONMENT

- Respiratory Heated Humidifier (Taurus T7) is designed for use in Hospital ICU, CCU, SNCU, NICU, PICU.
- Respiratory Heated Humidifier is intended to provide humidity and warmth to the respiratory gases being delivered to the patient requiring ventilation. The temperature of the breathing gas being delivered to the patient is monitored and automatically controlled by the humidifier as per the selected mode.

TAURUS T7 Respiratory Heated Humidifier



Technical Specifications

Dimensions	135 mm x 165 mm x 155 mm (without chamber fitted)
Weight	2.9 Kg (without chamber)
Display	3 digit, 14 mm LED-Display (7 segment)
Range	10°C ~ 70°C
Accuracy	± 0.3°C (in 20- 45°C temperature range)
Supply Voltage	220 V ~ ± 10%
Supply Frequency	50 Hz
Supply Current	1.0 A max at 230 V
Heater Plate Over-Temperature Cut Out	120± 6°C
Heater Plate	150 W (at nominal mains voltage)
Heater Wire Supply	22V ~ ± 5V 2.75A Max
Maximum Heater Wire Load	8 Ohm



*Specifications may change without prior notice

Mode Control Selection

- Invasive Mode:** This mode is used with patients whose upper airways have been bypassed by either a tracheotomy or endotracheal tube. Invasive mode is designed to deliver Optimal Humidity for all therapies, requiring fully saturated gas delivered at 37°C. In this mode of operation, the humidifier attempts to deliver Optimal Humidity to the patient (37°C, 100 % RH). This mode is the default when the humidifier is turned on.
- Non-Invasive Mode:** This delivers comfortable levels of humidity for face mask/headbox delivery. This mode is suitable only for patients whose natural humidification system (i.e. upper airways) has not been bypassed, but are receiving gas via a facemask. This aims to deliver gases at a comfortable level of humidity (31°C, 32 mg/L) for face masks.

Performance

Recommended Flow Range:
Invasive Mode: Up to 60 L/min
Non-Invasive Mode: Up to 120 L/min
Recommended Ambient Temperature Range: 18 - 26°C
Warm-up Time: Less than 30 minutes

Heater Wire Mode

Invasive Mode: Airway set point 35-40 °C
Chamber set point 35.5-42 °C
Non-Invasive Mode: Airway set point 28-34 °C;
Chamber set point 31-36 °C

Non Heater Wire Mode

Invasive Mode: Airway set point @37 °C; Chamber temperature limited to 66 °C
Non-Invasive Mode: Airway set point @31 °C; Chamber temperature limited to 66 °C

Alarms

Airway/Chamber Probe (Sensor) Out Alarm, High Temperature Alarm, Low Temperature Alarm, Heater Wire & Temperature Probe Alarm.

Standard Accessories

- Temperature Probe
- Heater Wire Adapter
- Humidification Chamber (optional)
 - o Neonatal
 - o Adult

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