



The **Precision Flow Plus** is a High flow system that offers humidified respiratory therapy. The humidifier adds warm moisture to breathing gases from an external source for neonate, pediatric or adult patients to make it easier to breath. The Precision Flow Plus also adds heat and moisture to other blended medical airs. The system providing flow rates up to 40 LPM for adults and 8LPM for infant. The humidifier provides blended oxygen that is heated and humidified for maximum patient comfort and compliance. The Air is administered through nasal cannula. To ensure the safety of the safety of the patient there is an alarm and an integrated nurse call feature. This Vapotherm humidifier also allows easy control of oxygen, flow and Temperature.

Features

- The patient circuit is detachable and disposable: no disinfection necessary
- Minimal downtime between patients: less than five minutes to change disposables
- Built-in oxygen/air blender
- Built-in electronic flowmeters and controllers
- Self-testing and self-calibrating
- Internal battery backup maintains flow and oxygen percentage for at least 15 minutes if AC power is cut off. Battery recharges in 2 hrs.
- All internal sensors are self-calibrating and self-monitoring
- Single button starts and stops the device
- Temperature, flow and oxygen percentage are adjusted via a single setting control knob on the front panel
- All values and alarms displayed in a single large color-coded panel
- Flow range 1-40 L/min
- Oxygen percentage is fully adjustable from 21 to 100% when two 40 psi (276 kPa) gas sources are used
- Inlet gas pressure range is 4-85 psi (28-586 kPa)



Specifications

Dimensions

Height: 11.5 in (300 mm)
Width: 8 in (200 mm)
Depth: 7 in (180 mm)
Weight: 1.6 lbs (4.81 Kg) without disposable patient circuit

Physical

Mounting: Rear mounted clamp fits Vapotherm approved roll stands up to 1.5"(38mm) diameter.
Gas Connections: Standard non-interchangeable fittings for medical air and oxygen.

Fuse

(Qty 2) GMA 3A F250 V 5mm x 20mm

System requirements

Power: 100-240 VAC, 50-60Hz, < 350VA during warm up, approx. 80VA in steady state (depends on flow rate and temperature).
Bac-up power: 4.8V nickel-metal hydride battery pack.
Gas Supply: Medical air and oxygen at inlet pressures between 4 and 85 psi (28-586 KPa).
Water: Sterile water for inhalation in pre-filled sealed container. Recommended water change interval based on flow rate and operation at 37°C.

Flow Rate Resolution

Low Flow Range: 1-8 L/min
Low Flow Resolution; 0.5 L/min
High Flow Range: 5 - 40 L/min
High Flow Resolution
Average Water usage per day
650 ml
1300ml
2000ml
2600ml
Recommenced Change Internal
500 ml / 12 h
500 ml / 8 h
1000 ml / 12 h
1000 ml / 8 h

Temperature

Range- 33 to 43°C at exit from the delivery tube, adjustable
Resolution- 1°C
Accuracy- $\pm 2^\circ\text{C}$
Warm up Time: $\pm 2^\circ\text{C}$ of 33°C set point < 5 minutes (at ambient 23°C)

Humidification

Minimum of 12 mg/L

Oxygen Percentage

Range- 21 to 100% O₂
Accuracy- $\pm 2\%$
Resolution- 1%