

High Flow Therapy System



Effective & Gentle Ventilatory Support for patients in respiratory distress

- Neonate to geriatric patient support
- Allows patients to comfortably eat, speak, and sleep
- Lowers respiration rate, improves secretion clearance and reduces work of breathing
- Helps avoid intubation and reduce length of stay
- Fully integrated system is easy to set-up and operate
- Safety alarms to warn of therapy disruptions



PRECISION*flow*®

Take the Work Out of Breathing

Vapotherm PRECISIONflow[®] High Flow Therapy

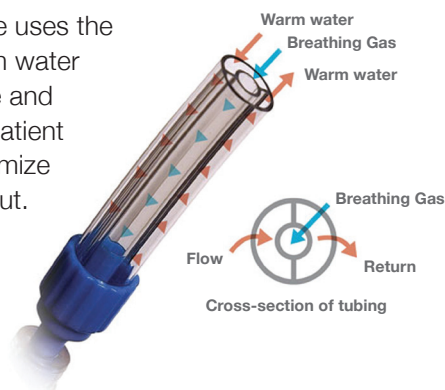
Vapotherm HFT Patient Interfaces

The narrow prong Vapotherm nasal cannula design maximizes flush of expiratory gas and assures an open system.



Water Jacket Delivery Tube

The Vapotherm delivery tube uses the safe, insulating heat of warm water to maintain gas temperature and humidity all the way to the patient to mobilize secretions, maximize comfort, and eliminate rainout.



Alarms & Alerts

Only VapoTherm Precision Flow incorporates a highly visual display of the selected parameters, and built-in alarms that let you know of any disruptions to the therapy. With VapoTherm, you have the confidence that you are delivering the therapy that you intend.



Medical-Grade-Vapor™

The VapoTherm cartridge infuses the respiratory gas with energetically stable molecular vapor which reduces condensation and eliminates rain-out, mobilizes secretions, protects respiratory tissue and improves patient comfort.



Single Patient Use Circuit

The disposable patient circuit is comprised of the disposable water path, vapor transfer cartridge and delivery tube. The entirely disposable patient circuit is available in either High Flow or Low Flow versions.



Effective and Gentle Respiratory Support for the Patient

- Treat signs and symptoms of respiratory distress, including dyspnea, hypercapnia, and hypoxia.
- Manage high acuity patients with less invasive and more comfortable respiratory therapy.

Confidence and Ease of Use for the Clinician

- The system sets up ready to use in 5 minutes, requires minimal patient education, and staff intervention.
- Control of flow, FiO_2 , and temperature with the touch of a button.
- Eliminates rain-out for easy maintenance.
- Integrated alarms simplify patient safety

PRECISIONflow® – Technical Specifications



Family of
PRECISIONflow
cannulae with
sizes to
effectively fit
every patient.

Physical Characteristics

Dimensions	<ul style="list-style-type: none"> • Height: 11.5"(300mm), width 8"(200mm), depth 7"(180mm), excluding IV pole clamp and gas filters.
Weight	<ul style="list-style-type: none"> • 12lb (5.4 Kg)
Mounting (Rear mounted clamp)	<ul style="list-style-type: none"> • Fits IV poles up to 1.5"(38mm) diameter.

System Requirements

Power	<ul style="list-style-type: none"> • 100-240VAC, 50-60Hz, approx. 200VA during warm-up, approx 80VA in steady state (depends on flow rate and temperature) • 15 minute emergency back up power.
Water	<ul style="list-style-type: none"> • Sterile water in pre-filled container. Circulating water volume of 400 ml.

Gas Connections

Gas supply required	<ul style="list-style-type: none"> • Medical air and oxygen at inlet pressures between 4 and 85 psi (28-586 KPa). <p>NOTE: the full range of flows and oxygen percentage is available only if both gases are present at inlet pressures of at least 40psi (276 kPa)</p>
	<ul style="list-style-type: none"> • Standard DISS non-interchangeable fittings for Standard DISS non-interchangeable fittings for medical air and oxygen

Performance

Temperature	<ul style="list-style-type: none"> • Range: 33 to 43° C +/- 1° C
Oxygen Percentage	<ul style="list-style-type: none"> • Range: 21 to 100% FiO₂
Flow Rate	<ul style="list-style-type: none"> • High Flow: 5-40 lpm, 1.0 lpm Resolution • Low Flow: 1- 8 lpm, 0.5 lpm Resolution
Operating Environment	<ul style="list-style-type: none"> • Ambient temperature: 18-30° C • Ambient relative humidity: 0-90% RH non-condensing • Ambient Pressure: Standard atmospheric- not to be used in hyperbaric conditions
Storage and Shipping	<ul style="list-style-type: none"> • Ambient temperature: -10 to +50° C • Ambient relative humidity: 20-90% RH
Standards	<p>Designed to conform to the following standards:</p> <ul style="list-style-type: none"> • IEC 60601-1 • CSA C.22.2/No.601.1 • EN60601-1 • ISO 11185 • UL60601-01 • AS/NZS 3200.1.1 • ISO 8185 • ISTA-2A
Accessories	<ul style="list-style-type: none"> • IV Pole for PF Unit • Disposable Patient Circuits (DPC) <ul style="list-style-type: none"> – High Flow (5-40 lpm) – Low Flow (1-8 lpm) • Patient Interfaces

