

No Mask. No Problem.[™]

Mask-Free NIV for

Spontaneously Breathing Patients

PRECISION FLOW HI-VNI[™]
PRODUCT BROCHURE



Fast Relief of Respiratory Distress in a User Friendly System

- Companion animal support • Allows patients to comfortably eat, interact, and sleep • Lowers respiration rate, improves secretion clearance and reduces work of breathing
- Helps avoid intubation and may reduce ICU admissions
- Fully integrated system is easy to set-up and operate
- Safety alarms to warn of therapy disruptions

Distributed by
INFINIUM[®]
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Vapotherm Precision Flow Hi-VNI Hi-VNI® Technology

Vapotherm Patient Interfaces

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

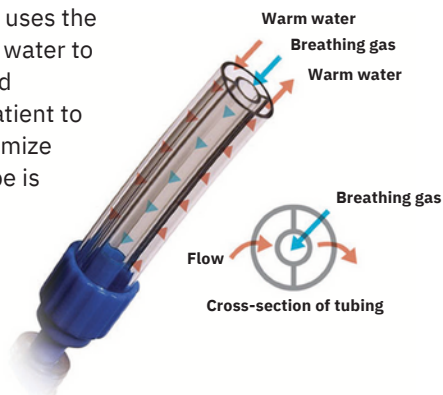


EFFECTIVE AND GENTLE RESPIRATORY SUPPORT FOR THE PATIENT

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

Water Jacket Delivery

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 and maximize comfort. The triple lumen tube is designed to reduce rainout.





CONFIDENCE AND EASE OF USE FOR THE CLINICIAN

- The system sets up ready to use in 5 minutes, requires minimal patient coaching, and staff intervention.
- Control of flow, FiO2, and temperature with the touch of a button.
- Designed to eliminate rainout for easy maintenance.
- Integrated alarms simplify patient safety.

Connectivity VNI Model

Vapotherm Precision Flow Hi-VNI comes equipped with Care Call and EMR connectivity to improve practice workflows and efficiency.



Alarms & Alerts

The Precision Flow Hi-VNI incorporates a highly visual display of parameters and utilizes built-in alarms to let you know of any disruptions to the therapy. With Vapotherm, you have the confidence that you are delivering the therapy that you intend.

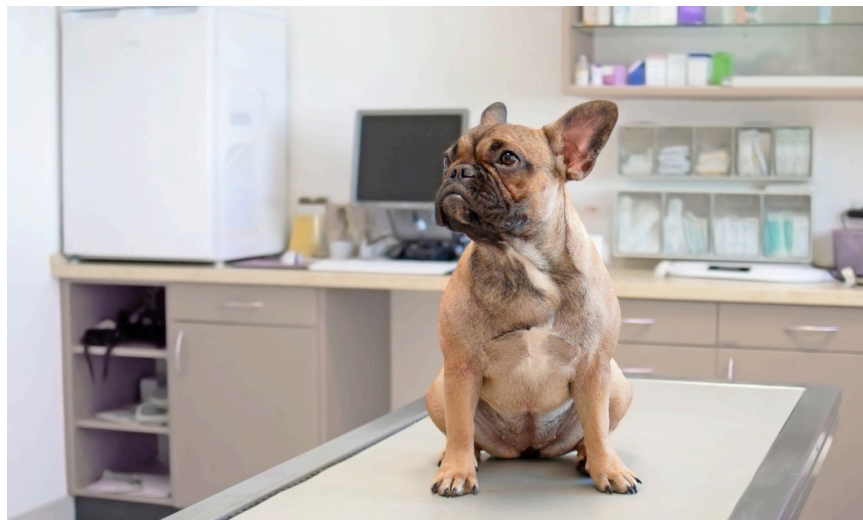


Medical-Grade-Vapor™

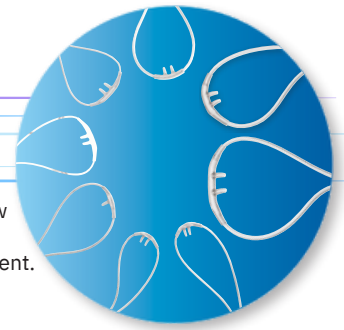
The Vapotherm cartridge infuses the respiratory gas with energetically stable molecular vapor which reduces condensation, mobilizes secretions, protects respiratory tissue, and improves patient comfort.



Vapotherm Transfer Unit delivers Hi-VNI Technology on the go for easy patient ambulation and transfer.



Precision Flow Hi-VNI Technical Specifications



Family of Precision Flow Cannulas 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 Vapotherm approved roll stand clamp and gas inlet filters
Weight	<ul style="list-style-type: none"> 10.6lb (4.81 Kg) without disposable patient circuit
Mounting (Rear mounted clamp)	<ul style="list-style-type: none"> Fits Vapotherm approved roll stands up to 1.5" (38mm) diameter

System Requirements

Power	<ul style="list-style-type: none"> 100-240VAC, 50-60Hz, < 350VA during warm-up, approx 80VA in steady state (depends on flow rate and temperature) Up to 15 minutes emergency back up power
Water	<ul style="list-style-type: none"> Sterile water in pre-filled container. Circulating water volume of approx 400 ml
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><i>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)</i></p>
	<ul style="list-style-type: none"> Standard DISS or NIST non-interchangeable fittings for medical air and oxygen

Performance

Temperature	<ul style="list-style-type: none"> Range: 33 to 39° C, 1° C Resolution • Range: 21 to 100% % O2, 1% O2
Oxygen Percentage	Resolution
Flow Rate	<ul style="list-style-type: none"> High Flow: 5-40 LPM, 1.0 L/min Resolution Low Flow: 1- 8 LPM, 0.5 L/min Resolution
Operating Environment	<ul style="list-style-type: none"> Ambient temperature: 18-30° C Ambient relative humidity: 20-90% RH non-condensing Ambient Pressure: 86 kPa to 108 kPa - 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. 60601.1 EN60601-1 ISO 11195 IEC 60601-1-2:2014 UL60601-01 AS/NZS 3200.1.2 ISO/IEC 80601-2-74 ISTA-2A
Accessories	<ul style="list-style-type: none"> IV Pole for PF Unit Q50 Compressor for PF Unit Disposable Patient Circuit (DPC) <ul style="list-style-type: none"> -High Flow (5-40 L/min) -Low Flow (1-8 L/min) Patient Interfaces TA-22 Trach Adapter AAA-1 Aerogen Aerosol Adapter Vapotherm Transfer Unit <p><i>*Nitric Oxide and aerosolized medication compatible disposables available as well</i></p>
Connectivity	<ul style="list-style-type: none"> RS-232 bi-directional communication 3 pin 3.5 mm stereo audio jack for Nurse Call connection with three adapter cables available: 1/4" normally open (3101138), 1/4" normally closed (3101139), and unterminated (3101140) <p>Infinium Veterinary 12151 62nd St North #5 Largo, FL 33773 • USA</p>