

# HVT 2.0

## Quick Reference Guide

This guide provides basic instructions on how to set up and operate the HVT 2.0 device. Before using the VapoTherm HVT 2.0 device, please review the Instructions for Use, available on our website [www.vapotherm.com](http://www.vapotherm.com).

### Start therapy

- Plug the power cable into an approved socket and connect to an oxygen source.
- Apply the cannula to the patient.
- Insert the Disposable Patient Circuit (DPC).
- Press the [Power] button on the device if the unit does not automatically turn on from the previous step.
- Select the patient interface type on the screen to lock in the flow range and tap [Confirm].
- Hang and spike the sterile water bag. Unclip the tubing, if necessary, to start the flow of water.
- Set the therapy parameters on the device.
- Once priming is complete, tap the [Start therapy] button on the screen.
- When the temperature on the screen reaches at least 33 °C, connect the patient's cannula to the delivery tube.



### Discontinue therapy and shut down

- Remove the cannula from the patient, and the DPC and water supply from the HVT 2.0 device.
- Press the [Power] button to turn off the device.
- Unplug the power supply from the wall socket.
- Dispose of the DPC, water supply and cannula according to local and national regulations.
- Disinfect the unit according to the instructions in the IFU and hospital policy.

### Stop/Pause therapy

- Tap the [Stop therapy] button on the screen.
- Confirm by tapping [Yes, stop] on the Confirmation pop-up screen.
- The device will go into Standby mode.

**Note:** You can restart therapy by tapping the [Start therapy] button.

### Indications/Intended use

The HVT 2.0 system is intended to deliver warmed and humidified high-flow respiratory gases to spontaneously breathing adult patients and paediatric patients (5 kg and up). The device is intended to be used in hospital and sub-acute facilities. It adds heat and moisture to a blended medical air/oxygen mixture and assures the integrity of the precise air/oxygen mixture via an integral oxygen analyser. The flow rates may be from 5 to 45 L/min (BTPS) via a nasal cannula.

The HVT 2.0 provides high-velocity therapy with simultaneous oxygen delivery to provide ventilatory support of spontaneously breathing patients suffering from respiratory distress and/or hypoxaemia in a hospital setting. The HVT 2.0 is not intended to provide total ventilatory requirements for the patient and is not for use during field transport.

### Contraindications: General

Not appropriate for patients who are not spontaneously breathing, are unable to protect their airway, or have anatomic or injury-induced blockage of the nasal pathway to the nasopharyngeal space. The HVT 2.0 system is not for treating OSA and snoring. The HVT 2.0 is not for field transport. The HVT 2.0 is MRI unsafe. Do not use it in an MRI environment.

**Note:** Additional patient monitoring including pulse oximetry is necessary if the HVT 2.0 is used to give supplementary oxygen.



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## Common alarms and alerts

Message	Description and actions to take	Message	Description and actions to take
<b>Safety battery failure</b>	The internal Safety Battery has not been detected. <b>Action:</b> Install the battery. Contact your VapoTherm Service Provider for assistance.	<b>Low gas temperature</b>	The warm-up took too long. <b>Action:</b> Stop the therapy to clear the alarm. Then restart the therapy. If the alarm persists, contact your VapoTherm Service Provider for assistance.
<b>No power connected</b>	The internal Safety Battery is powering the device. <b>Action:</b> Plug in the device to an approved wall socket.	<b>High system temperature</b>	The internal system temperature is too high. <b>Action:</b> Check that the vents at the back and bottom of the device are not obstructed.
<b>Circuit removed during therapy</b>	The DPC was removed while delivering therapy. <b>Action:</b> Acknowledge the alarm and re-insert the circuit.	<b>Oxygen concentrator error</b>	The measured oxygen concentration does not match the user-selected value. <b>Action:</b> Check that the selected value in the 'Oxygen source' menu matches the connected oxygen concentrator.
<b>Occluded/ Blocked tube</b>	Occluded delivery tube/cannula. <b>Action:</b> Remove any kinks, clamps or obstruction from the delivery tube and cannula.		
<b>Water out</b>	The water supply is empty. <b>Action:</b> Replace the sterile water supply.		

## Disposable patient circuit errors

Description	Actions to take
An error occurred within the disposable patient circuit. Therapy stopped.	<ol style="list-style-type: none"> <li>1. Tap [<b>Start therapy</b>] to resume therapy.</li> <li>2. If the error occurs again, contact your VapoTherm Service Provider for assistance.</li> </ol>

## System errors

Description	Actions to take
An error was detected by an internal sensor, or a system error has occurred. Therapy stopped. Tap the [ <b>More information</b> ] button to display an error code. <b>Note:</b> The error code will help determine the nature of the problem.	<p>An error will not allow therapy to restart.</p> <ol style="list-style-type: none"> <li>1. Power off the device, then power it on again.</li> <li>2. If the alarm occurs again, contact your VapoTherm Service Provider for assistance.</li> </ol>



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