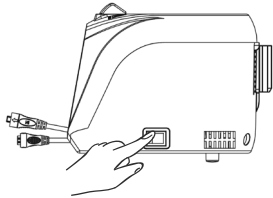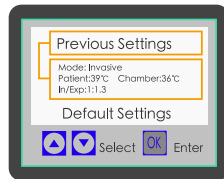# inspired™* VHB20 Heated Humidifier
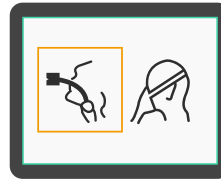
Quick user guide

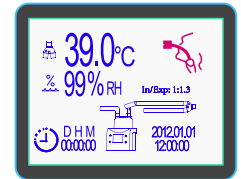## Start and select mode

1 Switch on the unit.
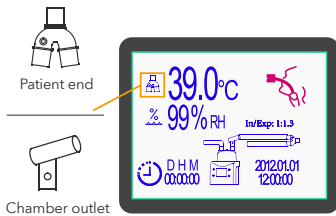
2 Select to use Previous or Default Settings.

3 Select Invasive Mode or Non-invasive Mode (In case of Default Settings in step 2).
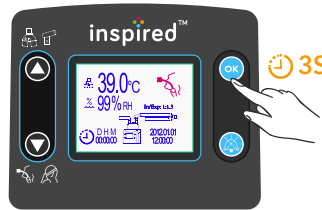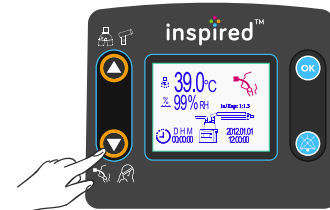
4 Device starts running.

Set temperature

Patient end

Chamber outlet
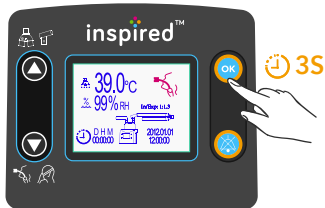
1 Select the position for temperature setting.

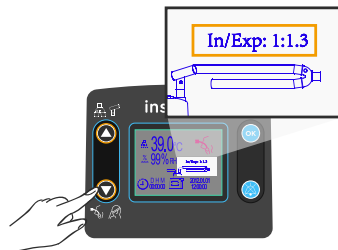**2** Enter temperature setting. Press and hold 🆗 for 3 seconds.

3 Adjust to the desired temperature. Press 🆗 to confirm.
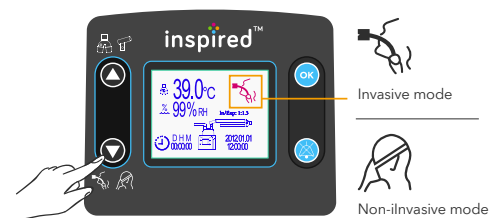
Set inspiratory/expiratory ratio

1 Enter In/Exp ratio setting page. Press and hold 🆗 for 3 seconds. Then press ❄.

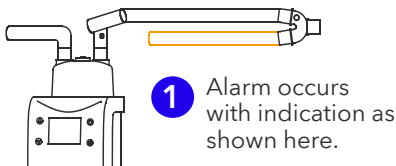**2** Press ⬆ and ⬇ to adjust to the desired temperature. Press 🆗 to confirm. (Note: The higher the ratio, the higher the temperature in the expiratory limb)

Set mode
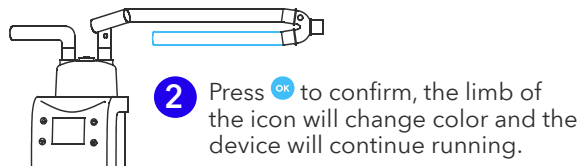
Invasive mode

Non-iInvasive mode

While running, press and hold ⬇ to switch between invasive and non-invasive modes.

Using a single heated breathing circuit

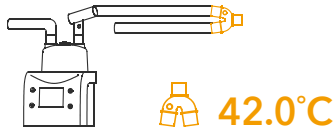**1** Alarm occurs with indication as shown here.

2 Press 🆗 to confirm, the limb of the icon will change color and the device will continue running.
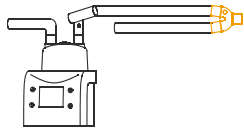
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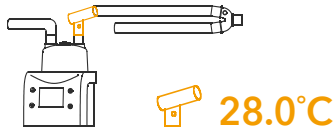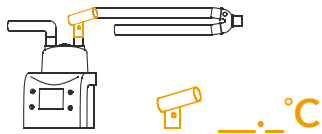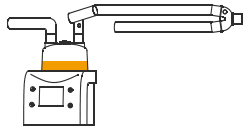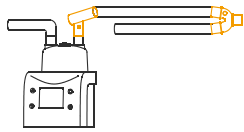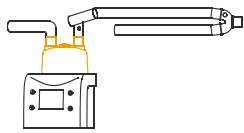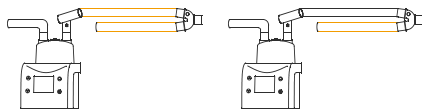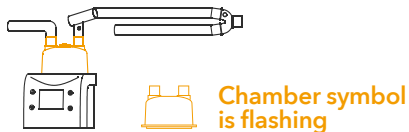| Device alarm indicators	Error message	Troubleshooting
42.0˚C	1. HIGH patient end temperature alarm. (Invasive 41˚C, non-invasive 38˚C) 2. LOW patient end temperature alarm. (Invasive 34˚C, non-invasive 29˚C)	Check connection and consider replacement of specified part.
	Malfunction of the patient side probe.	Check connection and consider replacement of specified part.
28.0˚C	LOW chamber outlet temperature alarm, (Only for invasive mode)	Check connection and consider replacement of specified part.
__._˚C	Malfunction of the chamber outlet probe.	Check connection and consider replacement of specified part.
75% RH	LOW humidity detected.	Check various connections, water level, and adjust settings as needed.
	Water out.	Refill water.
	Chamber and/or patient side probe is unplugged or malfunctioning.	Check connection and consider replacement of specified part.
	1. Chamber is not properly installed. 2. Malfunction of heater plate.	Check connection and consider replacement of specified part.
	1. Heater wire adapter is not plugged in. 2. Malfunction of heater wire circuit.	Check connection and consider replacement of specified part.
Chamber symbol is flashing	Malfunction of heater plate sensor.	Check connection and consider replacement of specified part.

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