

Respimo M2 Humidifier Quick Reference

Respiratory Humidifier is intended to be used to warm and humidify gases delivered to patients who require mechanical ventilation or other respiratory support via a tracheal tube or face mask.



WARNING

- Ensure that invasive setting is used for patients that have bypassed airways.
- Use this device in ambient temperature of 18 to 26 °C. Gas inlet temperature to the humidifier should be at least equal to the ambient temperature and at most 5°C higher than the ambient temperature.
- The use of breathing circuits, chambers or other accessories which are not approved by **SAADAT** may impair performance or compromise safety.
- Ensure that both temperature probe sensors are correctly and securely fitted. Failure to do so may result in temperatures in excess of 41 °C being delivered to the patient.
- Ensure maintenance of grounding integrity by connection to a “hospital grade” receptacle. Always disconnect supply before servicing.
- When mounting a humidifier adjacent to a patient ensure that the humidifier is always positioned lower than the patient.
- The warm-up time is a maximum of 30 minutes.
- The operation of high frequency surgical apparatus, shortwave or microwave equipment in the vicinity of the humidifier may adversely affect its function. If this occurs, the humidifier should be removed from the vicinity of such devices.
- Check accessories for any physical damage before use and replace if damaged.

Cleaning and disinfection

1. Disconnect the humidifier from the electrical outlet.
2. Clean the humidifier with normal dishwashing detergent or isopropyl alcohol using a damp cloth.
3. Wipe the humidifier clear of any cleaning residues before use.

Caution

- DO NOT immerse the humidifier in any liquid. Using other solutions may damage the humidifier.
- DO NOT autoclave or sterilize humidifier or probes.
- DO NOT use EtO gas to disinfect the humidifier.
- The breathing circuit system components and chamber are single-use, dispose of them according to relevant regulations.

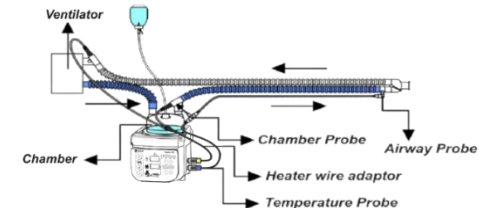
Operating Modes:

Indicator	Mode	Available Setting	Flow Range	Humidity performance
	Invasive	Airway Temperature: 39~40 °C Chamber Temperature: 37~42 °C	5~30 L/min	>33 mg/L
	Non-Invasive	Airway Temperature: 31~38 °C Chamber Temperature: 31~36 °C	5~60 L/min	>10 mg/L
	Non-Heater Wire	Plate Temperature: 45/60/70 °C	5~60 L/min	>10 mg/L

SET UP (Invasive & Non-Invasive Mode)

1. Slide humidification chamber onto humidifier base and connect breathing circuit. It is also necessary to use a heated wire breathing tube in the inspiration path. The expiratory path can be heated wire or with water-trap.
2. Connect the temperature probe plug to the blue socket.
3. Push the chamber probe and airway probe into the breathing circuit.
4. Connect the heater wire adaptor plug to the yellow socket on the humidifier base.
5. Connect the other end(s) of the heater wire adaptor to the breathing circuit socket(s).
6. The humidification system is now set up and ready for use. Apply the required settings.

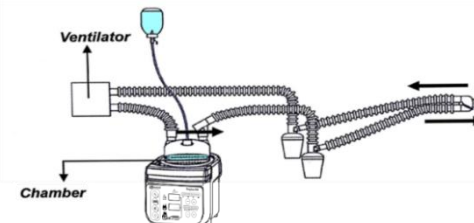
ATTENTION: Refer to operating instructions which accompany each accessory.



SET UP (Non-Heater Wire Mode)




1. Slide humidification chamber onto humidifier base and connect breathing circuit. Use breathing circuit which contain water-trap for both inspiratory and expiratory paths.
2. The humidification system is now set up and ready for use. Apply the required settings..

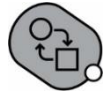
ATTENTION: Refer to operating instructions which accompany each accessory.



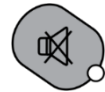
Unlock: Press the 'Unlock' key to give the user access to change settings and Power off. Respimo M2 will automatically lock if no action is taken within 10 sec.



Mode: By pressing Mode key, one of the Invasive, Non-Invasive or Non-Heater Wire modes can be selected. When LED of Mode key is on, Invasive or Non-Invasive modes are activated corresponding to  or  indicators. If Mode key is off, the Non-Heater Wire mode is activated and  indicator lights up.



Mute: The mute button silences the humidifier's audible alarm for up to two minutes. The muted time depends on the alarm condition and the severity of its cause.



Standby: The humidifier will power ON if this button is held down briefly, but must be held down for three second to turn the humidifier off (After Press Unlock Key). Operating mode and temperature settings will be saved when the device turns off.

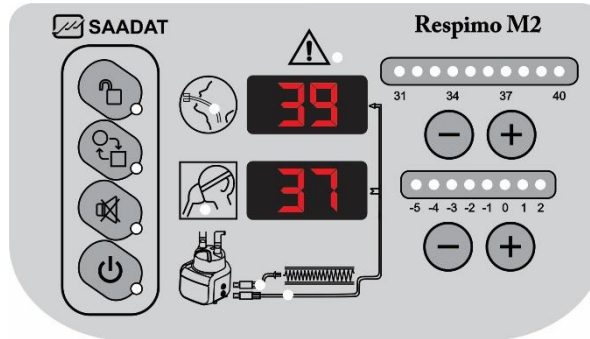


Exclamation sign: If lights up, contact after-sales service.



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Temp. Display: This display will show the Airway temperature in Invasive & Non-Invasive modes and Plate heating level in Non-Heater Wire mode.





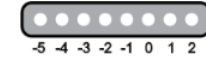
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Temp. Display: This display will show the chamber temperature in Invasive & Non-Invasive modes and Plate temperature in Non-Heater Wire mode.





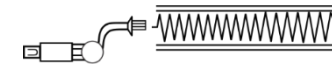
Adjustment buttons:

The user can adjust Airway temperature by  and  in Invasive & Non-Invasive modes and Plate heating level in Non-Heater Wire mode.



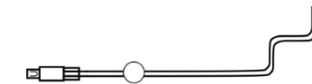
Adjustment buttons:

The user can adjust Chamber temperature by  and  in Invasive & Non-Invasive modes.



Heater Wire disconnection:

Lights if the heater wire adaptor or breathing circuit has not been connected, or is damaged. (Invasive & Non-Invasive modes)



Temp. Probe disconnection:

Lights if the temperature probe is not correctly plugged into the Respimo M2, or the probe is faulty. (Invasive & Non-Invasive modes)