

SPECIFICATIONS

Size: 94 mm x 154 x 135, Weight 1.7 kg (no chamber fitted), 2.0 kg (chamber fitted and filled with water). Electrical Classification: CLASS 1, TYPE BF, IPX1

Electrical ratings

Supply frequency: 50 or 60 Hz, Voltage: 230 V~, Current: 0.8 A max at 230 V~

Heater plate: 150 W. Heater wire: 22 V~, 1.36 A, 30 W, 50 or 60 Hz

Heater plate over-temperature cutout 93 ± 6 °C

Performance (at 23 °C Ambient Temperature)

	Setting	Constant flow range (L/min)	Patient interface temperature (°C)
Heater wire mode 900MR810 900MR810E	Low	5 to 60	28 to 29
	High	5 to 30	30 to 32
Non-heater wire mode	Low	5 to 60	23 to 25
	High	5 to 30	28 to 32

CAUTION: MR810 does not deliver body temperature saturated gases.

Recommended operating environment temperature: 18 to 28 °C.

Humidity Performance: > 10 mg/L, 5 L/min < flow < 60 L/min.

DO NOT use for flow < 5 L/min.

Warm-up Time: < 60 minutes.

Symbol Definitions



Type BF



ATTENTION
Consult accompanying documents



Alternating Current



IPX1
Drip Proof



CAUTION
Hot surfaces
may exceed 75 °C



C-tick for EMC

WARNING:

- Caution is required when delivering gases that are not body temperature saturated, to patients with bypassed airways.
- The use of breathing circuits, chambers, or other accessories which are NOT approved by Fisher & Paykel Healthcare, may impair performance or compromise safety.
- Refer to operating instructions for each accessory.
- Ensure maintenance of grounding integrity by connecting to an appropriately grounded receptacle.
- Ensure that the humidifier is always positioned lower than the patient's airway.
- Ensure the humidifier is securely mounted.
- The operation of high frequency surgical apparatus, short wave 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.
- Visually inspect equipment for damage before use.
- Hot surfaces may exceed 75 °C.

CLEANING

The humidifier base and heater wire adaptor can be cleaned when required with a damp cloth using a mild non-abrasive cleaning solution. (Refer to the MR810 technical manual for a list of approved cleaning agents).

ROUTINE MAINTENANCE AND SERVICING

Refer maintenance and servicing to qualified service personnel. A full technical description including annual maintenance and service data is contained in the Technical Manual which is available from your supplier or Fisher & Paykel Healthcare (REF 185042601).

Patent pending

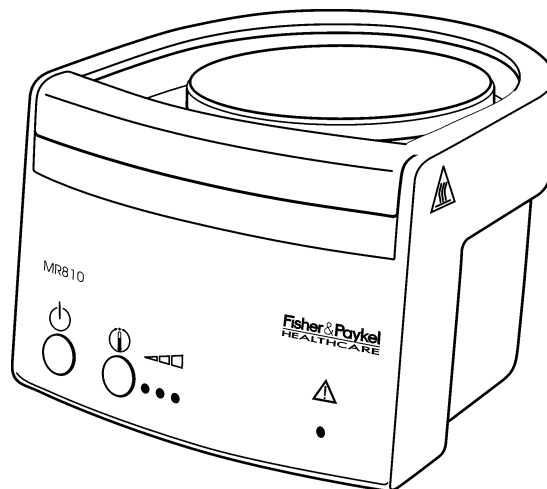


RESPIRATORY HUMIDIFIER

The MR810 respiratory humidifier warms and humidifies gases delivered to patients requiring noninvasive and/or constant flow applications.

**INSTRUCTION SHEET
DO NOT DISCARD**

REF 185042576
Rev E 2012-06



**Fisher & Paykel
HEALTHCARE**

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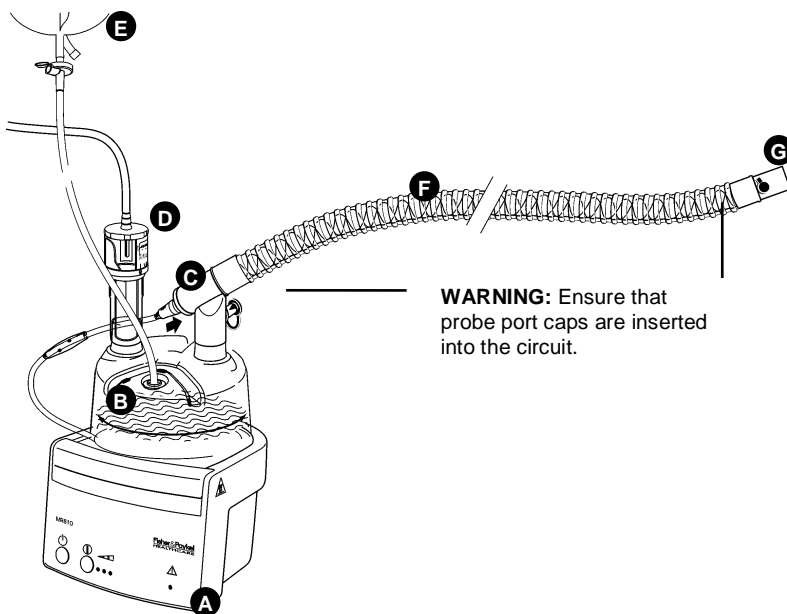


RESPIRATORY HUMIDIFIER

HEATER WIRE MODE SET UP WITH RT308 CIRCUIT

1. Slide humidification chamber (B) onto humidifier base (A) and connect breathing circuit (F) (refer to humidification chamber and breathing circuit operating instructions for further details). Hang the waterbag from a waterbag pole (E).
2. Connect heater wire adaptor to circuit (C). See "Heater Wire Mode Indicator".
3. Connect oxygen tubing to the O₂ flow meter (not included in the RT308 kit) to the air entrainer (D). Connect to patient interface (G).
4. The humidification system is now set up and ready for use. For maximum humidity delivery use the high setting.

Note: Remove scrolls from scrolled chambers.



WARNING: Ensure that probe port caps are inserted into the circuit.

For other applications contact your local Fisher & Paykel Healthcare representative.

OPERATION



Power Button

Pressing this button turns the humidifier on or off (stand-by).
Note: The MR810 defaults to HIGH when turned on.

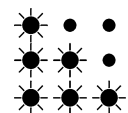


Temperature & Humidity Control Button & Indicator

Pressing this button cycles the humidifier setting between low, medium, and high.



Temperature & Humidity Settings



Low
Medium
High

Note: For maximum humidity delivery use the high setting.

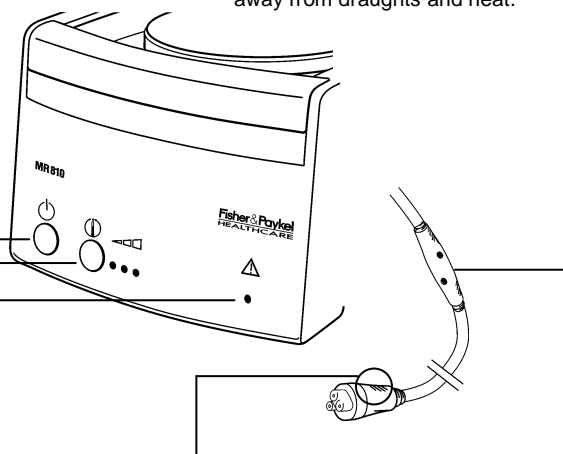


See Manual Indicator Humidifier Faulty

If the red light is illuminated, the humidifier and all accessories should be immediately removed and sent for servicing.

Ambient Temperature Sensor

Monitors air temperature and adjusts the heater wire power to minimise breathing circuit condensate. Keep away from draughts and heat.



Heater Wire Mode Indicator

If the green light is illuminated, the heater wire is correctly connected to the heater wire circuit.

If the green light is off while connected to the heater wire circuit, there may be a fault with the heater wire circuit or heater base.

If not connected to a heater wire circuit, non-heater wire mode is initiated.