

## The MR850 Noninvasive Humidification System

### MR850 humidifier

- **Supply voltage:** 230 ± 20 V, 115 V, 100 ± 10 V
- **Frequency:** 50/60 Hz
- **Maximum power usage:** 210 W

### RT319 breathing circuit kit, including the:

- **MR290 autofeed chamber**
- **RT022 flexible extension**
- **RT019 inspiratory/expiratory filter**
- **Interface connections:** ISO 5356-1 conical connectors
- **Single-heated system:** Compliance 6.12 ml/cm H<sub>2</sub>O  
Compressible volume 1.72 L
- **Resistance to flow:** @ 40 L/min 1.84 cm H<sub>2</sub>O
- **Circuit length:** 1.8 m (1.5 m without extension)
- **Filter efficiency:** Viral > 99.99%, Organism: ΨX174 Bacteriophage,  
Bacterial > 99.99% Organism: Bacillus subtilis,  
Mean particle size: 3µm

### MR850 humidification system

- **Flow range to achieve optimal humidification**  
**invasive mode:** 3-60 L/min  
**noninvasive mode:** 3-120 L/min
- **Warm-up time:** < 30 minutes

*Warning: The use of breathing circuits, chambers or other accessories with the MR850 humidifier which are not approved by Fisher & Paykel Healthcare may impair performance or compromise safety*

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Respiratory

HUMIDIFICATION

Fisher & Paykel  
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Respiratory

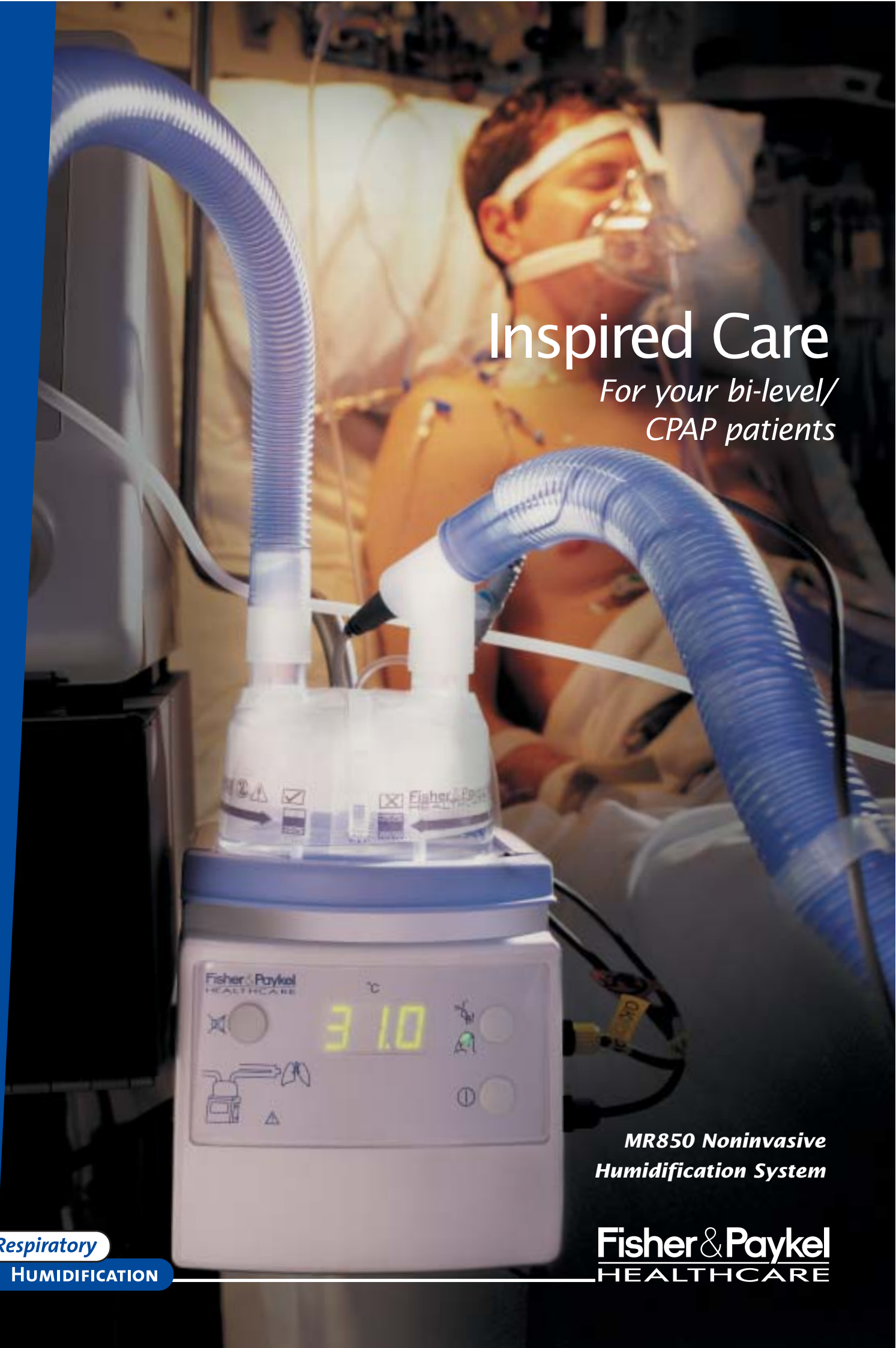
HUMIDIFICATION

MR850 Noninvasive  
Humidification System

Fisher & Paykel  
HEALTHCARE

Inspired Care

For your bi-level/  
CPAP patients



## MR850 Noninvasive Humidification System



### HUMIDIFIER

- **MR850 humidifier**
  - simple controls and easy to read display
  - invasive or noninvasive modes available
- **Uses advanced software algorithms to optimise humidification delivery**
  - the MR850 humidifier can provide optimal temperature and humidification levels for all bi-level and CPAP patients



### CHAMBER

- **MR290 chamber**
  - automatic waterfeed line
  - delivers constant humidification
  - no need to manually refill chamber
- **Unique dual float mechanism**
  - safely maintains water level
- **Suitable for all patients**
  - neonates, paediatrics and adults
  - invasive and noninvasive applications



### CIRCUIT

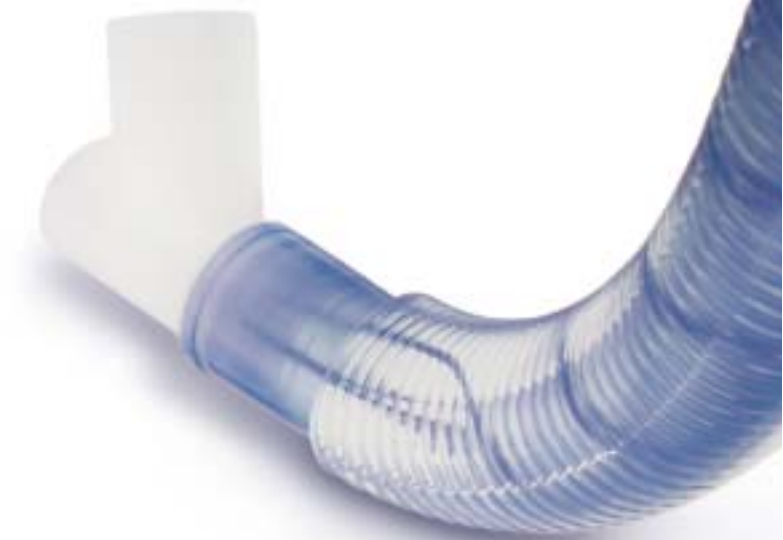
- **RT319 breathing circuit**
  - designed for modern bi-level/ CPAP ventilators, requiring a low resistance to flow circuit
- **Flexible lightweight materials**
  - less drag on the patient interface
- **Flexible extension**
  - the swivel improves the patient interface mobility

*This low resistance to flow circuit is designed for modern bi-level/ CPAP ventilators.*

*This circuit optimises ventilator triggering, ensuring prescribed pressure delivery. Patient work of breathing is reduced with correct pressure delivery.*



- **RT022 flexible extension**



- **Innovative single helix heater wire within a large diameter circuit**
  - reduces resistance to flow

*“Inadequate humidification may cause patient distress, especially if pipeline or cylinder gas is used.”*

