

 Manufactured for:  
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USA • [www.dynarex.com](http://www.dynarex.com)  
Made in China

Reorder No. **30107**



# Hygroscopic Condenser Humidifier HMEF 600

B/V Filter • CO<sub>2</sub> Port



**CAUTION:** Federal (USA)  
Law restricts this device to sale  
by or on the order of a physician



**SYMBOL GLOSSARY**  
For an explanation of symbols  
used in Dynarex packaging, visit  
[dynarex.com/symbols.php](http://dynarex.com/symbols.php)

## DESCRIPTION

The HMEF is disposable single-use device indicated for patient requiring humidification during the delivery of ventilator gases. They provide filtration for reducing possible cross contamination between patient and equipment. The HMEF is for use in hospital, ICU, anesthesia, respiratory therapy, during transport and with resuscitators. The HMEF can be used on pediatric patients. The HMEF is indicated for use by qualified medical personnel only. The HMEF is designed for disposable use and should be changed at least every 24 hours.

## INSTRUCTIONS FOR USE

- Read these instructions carefully before using the product.
- Place the HMEF between the proximal end of the artificial airway and the Y-piece of the breathing circuit.
- When used continuously on a single patient, change the HMEF every 24 hours or more frequently as required.

## CONTRAINDICATIONS

- The HMEF is contraindicated in patients producing fulmination, frothy secretions within their airway and lungs.
- The HMEF shall not be used on patient with very large tidal volumes.
- The HMEF shall not be used together with active humidifier or nebulizers.

## PRECAUTIONS

- All tubing and connections to the HMEF shall be properly attached and checked for leakage prior to use.
- Before use, verify that the HMEF has no occlusions and that air will flow through it.
- Compensation of ventilation may be necessary when using the HMEF since dead space will be added to the system.
- During the use of the HMEF, the patient shall be closely monitored and proper airway care administered if complications arise.
- If a sampling tube is not connected, make sure that the sampling port cap on the HMEF is properly secured.

## WARNING

- The HMEF is designed for single patient use only and must not be cleaned and reused.

## TECHNICAL DATA

<b>Tidal Volume Range</b>	70-600 mL
<b>Resistance</b>	at flow 15 L/min 0.8 cm H <sub>2</sub> O at flow 30 L/min 1.6 cm H <sub>2</sub> O
<b>Dead Space</b>	19 mL
<b>Moisture Output</b> (per ISO 9360 test procedure)	Tidal Volume = 250 mL 33.3 mg H <sub>2</sub> O/L 500 mL 27.8 mg H <sub>2</sub> O/L
<b>Filtration Efficiency</b>	Bacterial: 99.999% Viral: 99.99%
<b>Weight</b>	19 g
<b>Connections</b>	22M/15F-15M

### NOTES:

- Measured by the method of Nelson Laboratories Inc. USA.
- Regular challenge flow rate is 30 L/min, but for pediatric application, this challenge flow rate is 15 L/min.

## SYMBOLS

SYMBOL	SYMBOL NOTES
	Consult instructions for use
	Cautions and Warnings
	Keep dry
	Keep away from heat and sunlight
	Do not re-use
	Do not use if package is damaged
	Not made with natural rubber latex
	Not Manufactured with di(2-ethylhexyl)phthalate
	Fragile, handle with care
	Top
	Batch code
	Prescription use only