Bacterial and Viral Filter. The Medicomp Bacterial Filter provides Bacterial Filtration Efficiency (B.F.E.) and Viral Filtration Efficiency (V.F.E.) of >99.9%. The MC-500 utilizes three methods of filtration: multi-layer media, electrostatic attraction, and impaction. These methods provide filtration for a nominal sub-micron particle range of 0.3 microns. The filter media is composed of proprietary spun polypropylene. The integral hydrophobic filter repels water, yet allows water vapor to pass through preventing the possibility of increased breathing resistance, inadvertent PEEP, and occlusion.

Item Number  Qty  
#EG-MC-500  Pkg 50/Box

22mm I.D. x 22mm O.D. Inlet and outlet Internal Volume 39.8cc - Clear housing Bi-Directional - Non-conductive Disposable - Single-patient-use

Infant Bacterial and Viral Filter
The Medicomp EG-MC-125 Infant Bacterial and Viral filter uses the same filter media and offers the same features as the #EG-MC-500, but is designed for use with infants.

Item Number  Qty  
#EG-MC-125  Pkg 50/Box
3/8” Inlet & Outlet (10mm O.D. x 10mm O.D.) Internal Volume 8.8cc - Clear Housing Bi- Directional - Non Conductive Disposable - Single-patient use

Nebulizer Filter
7mm O.D. X 7mm O.D. Inlet and outlet Green Housing Disposable

Item Number  Qty  
#EG-MC-350  50/Box
Single-patient-use

 Spirometer Filters

Item Number  Qty  
#EG-MC-850  Pkg 50/Box
34mm O.D. X 30mm I.D. by 30mm O.D. X 28mm I.D. Internal Volume 135cc - Clear Housing Disposable - Single-patient-use

Hydrophobic Filter
7mm O.D. X 7mm O.D. Inlet and outlet Bi-Directional - Non conductive Color-coded blue for Hydrophobicity Disposable

Item Number  Qty  
#EG-MC-250  50/Box
Single-patient-use

Features
• Prevents fluid and aerosol contamination in suction equipment.
• Reduces environmental hazards which can result when pathogens are allowed to enter exhausted gases.
• Provides maximum efficiency with hydrophobic, microporous membrane.
• Precision engineered for superior contamination protection.
• Clearly marked, easy to handle, polypropylene housing.
• Efficiency - 99.97% D.O.P. retention (0.3 micron particles in air).
• Accepts 1/4” to 1/2” I.D. flexible tubing.
• Provides high air flow (max. operating pressure : 30” mercury).
• Backed by Gomco’s reputation for quality and performance.

Mercury Medical Exhalation Filter

The filter utilizes three methods of filtration:
1. Multi-layered media
2. Electrostatic attraction
3. Impaction

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• Backed by Gomco’s reputation for quality and performance.
Filters

Reusable Nebulizer/Patient Pressure Filter

For high-pressure, low-flow applications. Transparent for easy inspection. Maximum pressure drop is 0.33 psi at 10 lpm flow. Designed for up to one year of use.

- 06-003791 Bacterial filter with coupling tube, nebulizer/patient pressure
- 06-011905 Bacterial filter, nebulizer/patient pressure
- 06-001504 Tube, nebulizer, 3.0 in. (7.6 cm)

BACTERIAL FILTER
Exhalation (Single-Use)

For low-pressure, high-flow applications. Designed to prevent bacteria in the patient’s exhaled gas from being vented into room medical air. Provides a cost-effective alternative to replacing reusable filters when they become saturated with humidified gas or unused aerosol medications. Each filter is individually leakage tested at 3 psi. Over 200 square inches of filter media help ensure low resistance to flow. Pressure drop is approximately 2 cm H2O at 100 lpm.

- 06-010793 Bacterial Filter, exhalation, single use 12/box

Each filter is verified to be 99.97% efficient at a flow of 100 lpm.

OmniFilter®
Reusable Main Flow/Exhalation

The OmniFilter was designed for use as an inspiration or exhalation filter. Hydrophobic filter media provides a barrier for bulk moisture making the filter ideal for exhalation side use. It is transparent for easy inspection. Approximately 300 square inches of filter media ensure low resistance to flow. Pressure drop of a new filter is approximately 2.5 cm H2O at 100 lpm. This autoclavable filter is designed for up to one year of use or 100 autoclave cycles (whichever comes first).

- 06-006306 OmniFilter with coupling
- 06-006308 OmniFilter without coupling
- 06-003443 Coupling

FEATURES:

* Hydrophobic filter media provides barrier for bulk moisture.
* Transparent shell allows easy inspection.
* Large filter media surface area
# Filters

## Clear-Guard 3® Range

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Filtration Efficiency</th>
<th>Resistance at 60 L/min</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1544</td>
<td>Clear Guard 3 + Luer Lock Port</td>
<td>99.99% BFE 99.96% VFE</td>
<td>2.2 cm H₂O</td>
<td>60 ml</td>
<td>28g</td>
</tr>
</tbody>
</table>

## Clear-Guard® Range

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Filtration Efficiency</th>
<th>Resistance at 60 L/min</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1644</td>
<td>Clear-Guard Midi + Luer Lock Port</td>
<td>99.99% BFE 99.96% VFE</td>
<td>2.1 cm H₂O</td>
<td>34 ml</td>
<td>19 g</td>
</tr>
<tr>
<td>#DM-1844</td>
<td>Clear-Guard II + Luer Lock Port</td>
<td>99.99% BFE 99.99% VFE</td>
<td>2.3 cm H₂O</td>
<td>50 ml</td>
<td>27.0 g</td>
</tr>
<tr>
<td>#DM-1844-P</td>
<td>Clear Guard II + Luer Lock Port</td>
<td>99.99% BFE 99.99% VFE</td>
<td>2.3 cm H₂O</td>
<td>62 ml</td>
<td>31.0 g</td>
</tr>
</tbody>
</table>

**References**

3. A guideline for the prevention of transmission of Mycobacterium tuberculosis, CDC
4. Bennett A.; Test protocol and Evaluation of Filta-Therm and Filta-Guard as a Viral Filter, Biosafety Testing Section, Biologics, Division, Public Health Laboratory Service, Centre for Applied Microbiology and Research, Porton Down, Wiltshire 1990
5. Bennett A.; A Test Protocol and Evaluation of Filta-Guard against tuberculosis, Biosafety Testing Section, Biologics Division, Public Health Laboratory Service, Centre for Applied Microbiology and Research, Porton Down, Wiltshire 1995

Additional test protocols available upon request.
**Filters/HME’s**

**Introduction**
Passive heat and moisture exchangers have been used successfully for a number of years to return exhaled humidity to anesthesia and ICU patients. Intersurgical Incorporated® has developed a very special range of HCH’s, which address the different needs of patients and health care providers. At 17 ml dead space Hydro-Therm® (Part #DM-1853) is the smallest HME in the market that returns 30 mg H₂O at 500 ml Vt. The Hydrotherm II® (Part # DM-1863) offers an even higher moisture return and an incredibly low resistance 1,2. Hydro-Trach T® is a specially designed HCH for the tracheotomized patient. The lightweight product eliminates the need for disconnection during tracheal hygiene through its integrated suctioning port. The ultra-lightweight O₂ tubing was designed specifically for these patients.

### Hydro-Therm® Range

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Moisture Return @ VT500 mL</th>
<th>Resistance at 60 L/min</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1850</td>
<td>Hydro-Therm</td>
<td>30 mg H₂O/L</td>
<td>3.0 cm H₂O</td>
<td>16 ml</td>
<td>11.5 g</td>
</tr>
<tr>
<td>#DM-1853</td>
<td>Hydro-Therm + Luer Lock Port</td>
<td>30 mg H₂O/L</td>
<td>3.0 cm H₂O</td>
<td>17 ml</td>
<td>12.0 g</td>
</tr>
<tr>
<td>#DM-1853-T</td>
<td>Hydro-Therm + Flextube</td>
<td>30 mg H₂O/L</td>
<td>3.0 cm H₂O + Flextube</td>
<td>17 ml</td>
<td>12.0 g</td>
</tr>
<tr>
<td>#DM-1863</td>
<td>Hydro-Therm II + Luer Lock Port</td>
<td>33 mg H₂O/L</td>
<td>0.8 cm H₂O + Flextube</td>
<td>60 ml</td>
<td>36.0 g</td>
</tr>
<tr>
<td>#DM-1863-T</td>
<td>Hydro-Therm II + Flextube</td>
<td>33 mg H₂O/L</td>
<td>0.8 cm H₂O + Flextube</td>
<td>60 ml</td>
<td>36.0 g</td>
</tr>
</tbody>
</table>

### Hydro-Therm® Range (Continued)

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Moisture Return @ VT500 mL</th>
<th>Resistance at 60 L/min</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1560</td>
<td>Hydro-Therm 3 + Luer Lock Port</td>
<td>31.6 mg H₂O/L</td>
<td>1.2 cm H₂O + Flextube</td>
<td>58 ml</td>
<td>31 g</td>
</tr>
<tr>
<td>#DM-1560-T</td>
<td>Hydro-Therm 3 + Flex Tube</td>
<td>31.6 mg H₂O/L</td>
<td>1.2 cm H₂O + FlexTube</td>
<td>58 ml</td>
<td>31 g</td>
</tr>
</tbody>
</table>

**Product #**
- #DM-1850
- #DM-1853
- #DM-1853-T
- #DM-1863
- #DM-1863-T
- #DM-1560
- #DM-1560-T

**Box Quantity**
- 20
- 50

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**MERCURY MEDICAL®**

Page 173  (800) 835-MMED ■ (727) 573-0088 ■ FAX (800) 990-6375
Breathing Filters

Cross contamination is a major concern in both the Intensive Care Unit and the Operating Room. Microorganisms can colonize the equipment or breathing system, which have been used on patients with respiratory infections. The CDC has recommended the use of HEPA filters (99.97% minimum efficiency at 0.3 microns particle size) for the control of TB transmission in an anesthesia setting. Intersurgical Incorporated offers a wide variety of breathing filters ranging from 99.999% efficiency at 0.017μ to a standard 99.9% efficient filter.

The Filter-Guard® and Filter-Therm® products have long been recognized as some of the highest efficiency filters in the industry. They have independently validated against a number of organisms including the 0.017μ T1-Coliphage and mycobacterium tuberculosis.

The Clear-Guard® and Clear-Therm® family of products offer a reasonable balance between filtration efficiency, HME output and cost. This is the widest group of filters, including adult and pediatric styles. These filters are equally suited for anesthesia and respiratory applications. They address the needs of both departments while offering the most economical solutions.

Falta-Guard® Range

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Filtration Efficiency</th>
<th>Resistance @ 60 L/min</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1944</td>
<td>Fletz-Guard</td>
<td>99.999% BFE</td>
<td>2.3 cm H2O</td>
<td>67.0 ml</td>
<td>40 g</td>
</tr>
</tbody>
</table>
## Filters/HME’s

### Filta-Therm® Range

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Filtration Efficiency</th>
<th>Resistance at 60 L/min @ VT500</th>
<th>Moisture Return @ VT500</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1942</td>
<td>Filta-Therm</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>66 ml</td>
<td>42 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#DM-1942-T</td>
<td>Filta-Therm with Flextube</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>66 ml</td>
<td>42 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#DM-1941</td>
<td>Filta-Therm with CO₂ Port and Flextube</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>66 ml</td>
<td>43 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#DM-1941-T</td>
<td>Filta-Therm with CO₂ Port and Flextube</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>66 ml</td>
<td>43 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#DM-1906</td>
<td>Filta-Therm with CO₂ Port and integrated Y-piece</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>70 ml</td>
<td>45 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#DM-1906-T</td>
<td>Filta-Therm with CO₂ Port and integrated Y-piece</td>
<td>99.999% BFE</td>
<td>2.5 cm H₂O</td>
<td>29.1 mg H₂O</td>
<td>70 ml</td>
<td>45 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>99.999% VFE</td>
<td></td>
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</tr>
</tbody>
</table>

**Box Quantity**

- #DM-1942: 40
- #DM-1942-T: 20
- #DM-1941: 40
- #DM-1941-T: 20
- #DM-1906: 40
- #DM-1906-T: 20
### Clear-Therm® Range

<table>
<thead>
<tr>
<th>Product #</th>
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<th>Moisture Return @ VT500</th>
<th>Compressible Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>#DM-1841</td>
<td>Clear-Therm with CO₂ Port</td>
<td>99.99% BFE</td>
<td>2.4 cm H₂O</td>
<td>32.1 mg H₂O</td>
<td>61 ml</td>
<td>34 g</td>
</tr>
<tr>
<td>#DM-1841-T</td>
<td>Clear-Therm with CO₂ Port and Flex Tube</td>
<td>99.99% BFE</td>
<td>2.4 cm H₂O + Flextube</td>
<td>32.1 mg H₂O + Flextube</td>
<td>61 ml + Flextube</td>
<td>34 g</td>
</tr>
<tr>
<td>#DM-1541</td>
<td>Clear-Therm 3 with CO₂ Port</td>
<td>99.99% BFE</td>
<td>2.6 cm H₂O</td>
<td>30.6 mg H₂O</td>
<td>59 ml</td>
<td>31 g</td>
</tr>
<tr>
<td>#DM-1541-T</td>
<td>Clear-Therm 3 with CO₂ Port and Flextube</td>
<td>99.99% BFE</td>
<td>2.6 cm H₂O + Flextube</td>
<td>30.6 mg H₂O + Flextube</td>
<td>59 ml + Flextube</td>
<td>31 g</td>
</tr>
</tbody>
</table>

#### Additional Information

**Product #**
- **#DM-1841** Box Quantity 50
- **#DM-1841-T** Box Quantity 20
- **#DM-1541** Box Quantity 50
- **#DM-1541-T** Box Quantity 20
- **#DM-1831** Box Quantity 40
- **#DM-1831-T** Box Quantity 40
- **#DM-1831-M** Box Quantity 20
- **#DM-1441** Box Quantity 20