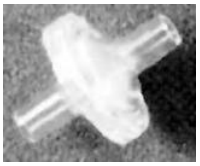
Filters

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 3.0 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/cs

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/cs

3/8" Inlet & Outlet (10mm 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/cs

Single-patient-use

Spirometer Filters

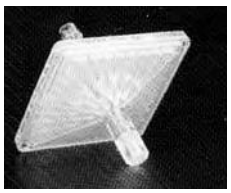
Item Number	**Qty**
#EG-MC-850	Pkg 50/cs

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/cs

Single-patient-use



Item Number	**Qty**
#18-01903928	3pk

Inline Bacteria Filter,
Barb to Barb

Item Number	**Qty**
#18-01903100	3pk

Bacteria Filter,
hose Barb To Male thread (1/8 NPT) for suction equipment

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 - 99.9% 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.

Filters

Clear-Guard 3® Range

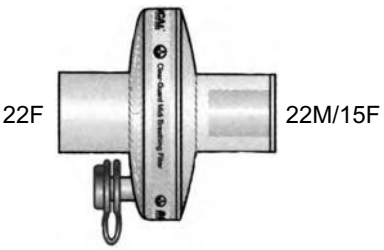
Product #	Description	Filtration Efficiency	Resistance at 60 L/min	Compressible Volume	Weight
#DM-1544	Clear Guard 3 + Luer Lock Port	99.99% BFE 99.96% VFE	2.2 cm H_2O	60 ml	28g

#DM-1544 | Box Quantity 50

#DM-1544

Clear-Guard® Range

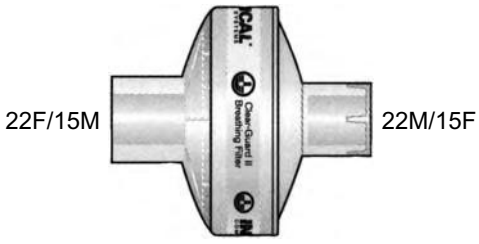
Product #	Description	Filtration Efficiency	Resistance at 60 L/min	Compressible Volume	Weight
#DM-1644	Clear-Guard Midi + Luer Lock Port	99.99% BFE	2.1 cm H_2O	34 ml	19 g
#DM-1844	Clear-Guard II	99.99% BFE 99.99% VFE	2.3 cm H_2O	50 ml	27.0 g
#DM-1844-P	Clear Guard II + Luer Lock Port	99.99% BFE 99.99% VFE	2.3 cm H_2O	62 ml	31.0 g



#DM-1644 | Box Quantity 50

#DM-1844-P | Box Quantity 50

#DM-1844-P



#DM-1844 | Box Quantity 50

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

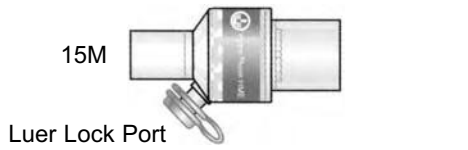
Introduction

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 H_2O 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 O_2 tubing was designed specifically for these patients.

Hydro-Therm® Range

Product #	Description	Moisture Return @ VT500 ML	Resistance at 60 L/min	Compressible Volume	Weight
#DM-1850	Hydro-Therm	30 mg H_2O/L	3.0 cm H_2O	16 ml	11.5 g
#DM-1853	Hydro-Therm + Luer Lock Port	30 mg H_2O/L	3.0 cm H_2O	17 ml	12.0 g
#DM-1853-T	Hydro-Therm + Flextube	30 mg H_2O/L	3.0 cm H_2O +Flextube	17 ml +Flextube	12.0 g +Flextube
#DM-1863	Hydro-Therm II + Luer Lock Port	33 mg H_2O/L	0.8 cm H_2O	60 ml	36.0 g
#DM-1863-T	Hydro-Therm II + Flextube	33 mg H_2O/L	0.8 cm H_2O +Flextube	60 ml +Flextube	36.0 g +Flextube



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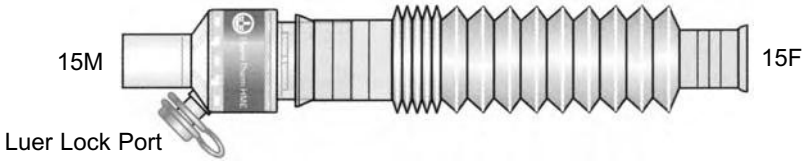
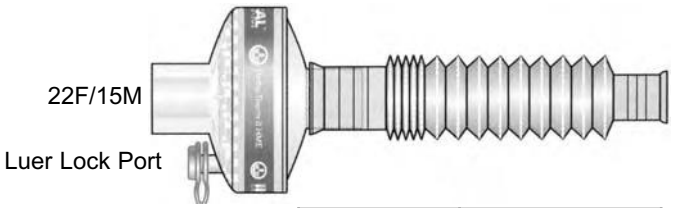


#DM-1853-T	Box Quantity 50

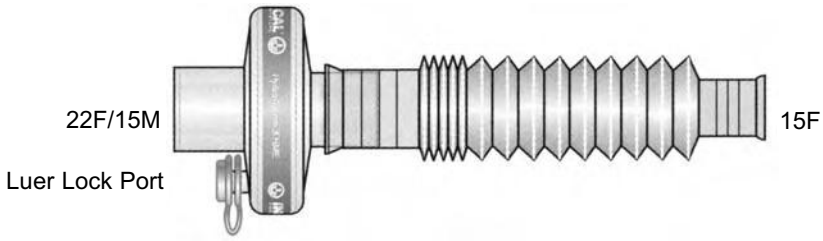
#DM-1863	Box Quantity 50



#DM-1863-T	Box Quantity 20

Product #	Description	Moisture Return @ VT500	Resistance at 60 L/min	Compressible Volume	Weight
#DM-1560	Hydro-Therm 3 + Luer Lock Port	31.6 mg H_2O/L	1.2 cm H_2O	58 ml	31 g
#DM-1560-T	Hydro-Therm 3 + Flex Tube	31.6 mg H_2O/L	1.2 cm H_2O +Flextube	58 ml +Flextube	31 g +Flextube

#DM-1560	Box Quantity 50



#DM-1560-T	Box Quantity 20

Hydro-Trach® Range

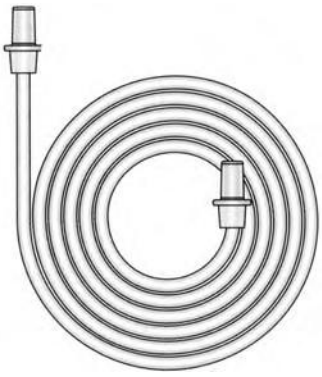
Product #	Description	Moisture Return @VT 500 ml	Resistance @ 60 L/min	Compressible Volume	Weight
#DM-1873	Hydro-Trach T Mk.II	N/A	N/A	19 ml	8.0 g
#DM-1874	Hydro-Trach T Mk.II + O2 Tube	N/A	N/A	19 ml + O2 Tube	8.0 g + O_2 Tube

15F

#DM-1873 | Box Quantity 50

#DM-1873

15F



#DM-1874 | Box Quantity 40

Breathing Filters

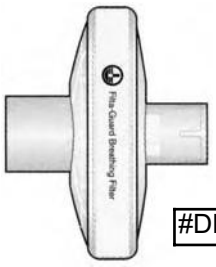
Cross contamination is a major concern in both the Intensive Care Unit and the Operating Room. Micro-organisms can colonize the equipment or breathing system, which have been used on patients with respiratory infections. The CDC has recommended the use of HEPA filters (99.97% minimum efficiency at 0.3 microns particle size) for the control of TB transmission[3] in an anesthesia setting. Intersurgical Incorporated offers a wide variety of breathing filters ranging from 99.999% efficiency at 0.017µ[4,5] 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[4,5].

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.

Filta-Guard® Range

22F



22M/15F

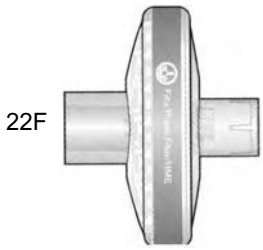
#DM-1944 | Box Quantity 40

#DM-1944

Product #	Description	Filtration Efficiency	Resistance @ 60 L/min	Compressible Volume	Weight
#DM-1944	Filta-Guard	99.999% BFE 99.999% VFE	2.3 cm H2O	67.0 ml	40 g

Filta-Therm® Range

Product #	Description	Filtration Efficiency	Resistance at 60 L/min	Moisture Return @ VT500	Compressible Volume	Weight
#DM-1942	Filta-Therm	99.999% BFE 99.999% VFE	2.5 cm H_2O	29.1 mg H_2O	66 ml	42 g
#DM-1942-T	Filta-Therm with Flextube	99.999% BFE 99.999% VFE	2.5 cm H_2O +Flextube	29.1 mg H_2O	66 ml +Flextube	42 g +Flextube
#DM-1941	Filta-Therm CO_2 Port	99.999% BFE 99.999% VFE	2.5 cm H_2O	29.1 mg H_2O	66 ml	43 g
#DM-1941-T	Filta-Therm with CO_2 Port and Flextube	99.999% BFE 99.999% VFE	2.5 cm H_2O +Flextube	29.1 mg H_2O	66 ml +Flextube	43 g +Flextube
#DM-1906	Filta-Therm with CO_2 Port and integrated Y-piece	99.999% BFE 99.999% VFE	2.5 cm H_2O	29.1 mg H_2O	70 ml	45 g
#DM-1906-T	Filta-Therm with CO_2 Port and integrated Y-piece and Flextube	99.999% BFE 99.999% VFE	2.5 cm H_2O +Flextube	29.1 mg H_2O	70 ml +Flextube	45 g +Flextube



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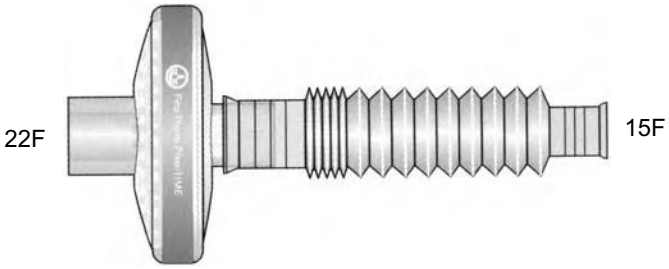

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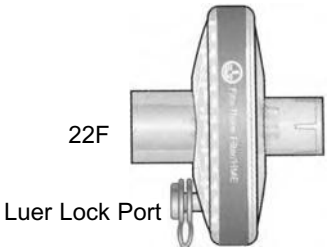

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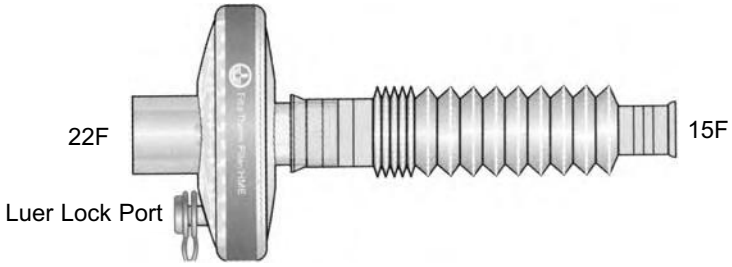

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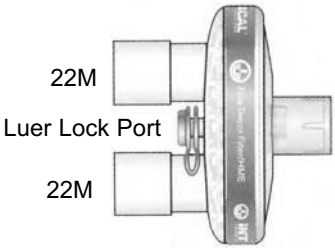

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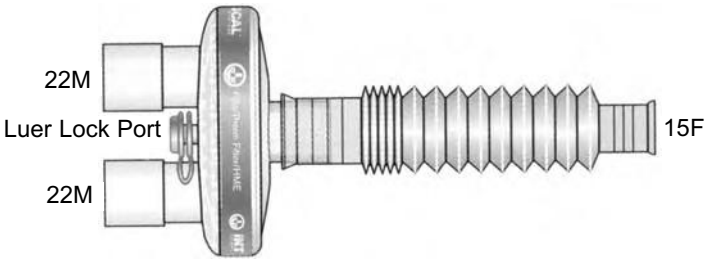


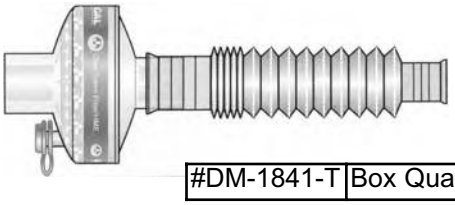
#DM-1906-T	Box Quantity 20

Clear-Therm® Range

Product #	Description	Filtration Efficiency	Resistance at 60 L/min	Moisture Return @ VT500	Compressible Volume	Weight
#DM-1841	Clear-Therm with CO_2 Port	99.99% BFE 99.99% VFE	2.4 cm H_2O	32.1 mg H_2O	61 ml	34 g
#DM-1841-T	Clear-Therm with CO_2 Port and Flex Tube	99.99% BFE 99.99% VFE	2.4 cm H_2O +Flextube	32.1 mg H_2O	61 ml +Flextube	34 g +Flextube
#DM-1541	Clear-Therm 3 with CO_2 Port	99.99% BFE 99.98% VFE	2.6 cm H_2O	30.6 mg H_2O	59 ml	31 g
#DM-1541-T	Clear-Therm 3 with CO_2 Port and Flextube	99.99% BFE 99.98% VFE	2.6 cm H_2O +Flextube	30.6 mg H_2O	59 ml +Flextube	31 g +Flextube

22F/15M  22M/15F

#DM-1841	Box Quantity 50

22F/15M  15F

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22F/15M  15F

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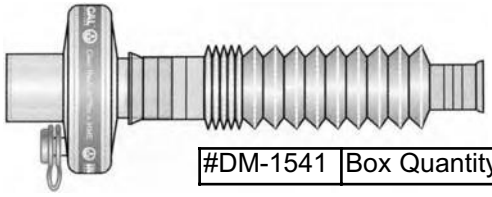
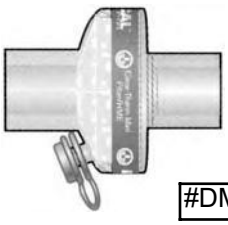
22F/15M  22M/15F

#DM-1541	Box Quantity 50

Product #	Description	Filtration Efficiency	Resistance	Moisture Return	Compressible Volume	Weight
#DM-1831	Clear-Therm Mini with CO_2 Port	99.9% BFE 99.9% VFE	1.2 cm H_2O @ 20 L/min	32.0 mg @ VT 250 ml	28 ml	21.4 g
#DM-1831-T	Clear-Therm Mini with CO_2 Port and Flex Tube	99.9% BFE 99.9% VFE	1.2 cm H_2O @ 20 L/min+Flextube	32.0 mg @ VT 250 m	28m +Flextube	21.4 g +Flextube
#DM-1831-M	Clear-Therm Mini with CO_2 Port and Micro Mount	99.9% BFE 99.9% VFE	1.2 cm H_2O @ 20 L/min +Micro Mount	32.0 mg @ VT 250 ml	28 ml +Micro Mount	21.4 g +Micro Mount
#DM-1441	Clear-Therm 3 with CO_2 Port and Flextube	99.99% BFE 99.93% VFE	0.9 cm H_2O @ 7 L/min	27.0 mg @ VT 250 ml	11 ml	12.7 g

22F/15M  22M/15F

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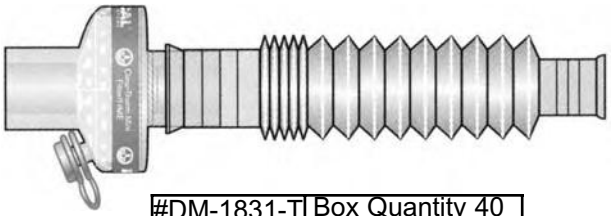
22F/15M  15F

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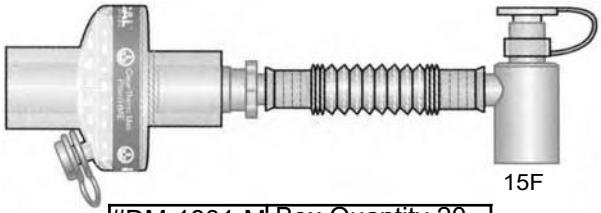
22F/15M 

#DM-1831-M	Box Quantity 20

15M  15F/8.5F

#DM-1441	Box Quantity 20

Heat/Moisture Exchangers For General Anesthesia & ICU

Humid-Vent® 2S
#FH-14412 20/Box

Humid-Vent® Port
#FH-13312 20/Box

Humid-Vent 1
#FH-11112 50/Box

	Humid-Vent® 2S #FH-14412 20/Box	Humid-Vent 2 Port #FH-13312 20/Box	Humid-Vent 1 #FH-11112 50/Box
Tidal Volume	150-1500ml.	150-1500 ml.	50-600ml
General Ind	General Anesthesia and ICU	General Anesthesia & ICU	General Anesthesia & ICU
Dead Space	29 ml	29 ml	10 ml
Weight	19.8 gms	20.9 grams	9.4 grams
Moisture Output	V_T 800-27.0 mg H_2O/l air V_T 1200-26.0 mg H_2O/l air	V_T 800-27.0 mg H_2O/l air V_T 1200-26.0 mg H_2O/l air	V_T 600-24.0 mg H_2O/l air (15mm Male/22mm Female)
	Maximum Resistance @ 20 lpm 0.2 cm H_2O @ 40 lpm 0.5 cm H_2O @ 60 lpm 0.8 cm H_2O	Maximum Resistance @ 20 lpm 0.2 cm H_2O @ 40 lpm 0.5 cm H_2O @ 60 lpm 0.8 cm H_2O	Maximum Resistance @ 20 lpm 0.3 cm H_2O @ 40 lpm 0.7 cm H_2O @ 60 lpm 1.2 cm H_2O

#FH-11132-50

#FH-11152-50

#FH-11132-50 Humid Vent 1 Port 50/Box
#FH-11152-50 Humid Vent 1 Elbow 50/Box

Connectors	15/22-15mm. ISO 5356-6
Tidal Volume	50-600 ml.
Indications	General Anesthesia and ICU
Dead Space	14 ml
Weight	9.8 Grams
Moisture	V_T 200-30.5 mg H_2O/l air V_T 600-24.0 mg H_2O/l air Maximum Resistance @ 20 lpm 0.2 cm H_2O @ 40 lpm 0.7 cm H_2O @ 60 lpm 1.2 cm H_2O