





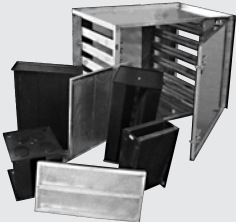















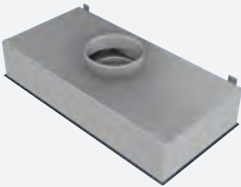





MANN+HUMMEL  
Air Filtration Americas  
All Products Guide

# Molecular Filtration All Products Guide

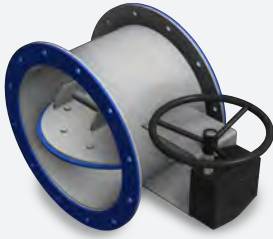
MolecularClass Series - Carbon Filters	 <p><b>MC Select</b></p> <ul style="list-style-type: none"> <li>• Panel filters - carbon media with pre/post filters</li> <li>• Impregnated polyester media</li> <li>• Bulk granulated carbon</li> </ul>	 <p><b>MC Prime</b></p> <ul style="list-style-type: none"> <li>• Pleated filters - 215 GSM CTC 60 carbon</li> <li>• 1", 2" &amp; 4" depths</li> <li>• Options: <ul style="list-style-type: none"> <li>- MC PrimeLD   Lite duty</li> <li>- MC PrimeHD   Heavy duty</li> <li>- MC Prime 50/50   MERV 8, 50/50 blend diesel filters</li> <li>- MC Prime13   MERV 13</li> </ul> </li> </ul>
	 <p><b>MC Tri-Dek®</b></p> <ul style="list-style-type: none"> <li>• Impregnated polyester media</li> <li>• Bulk granulated carbon</li> </ul>	 <p><b>MC ProCell</b></p> <ul style="list-style-type: none"> <li>• Rigid filters with carbon</li> <li>• Impregnated polyester media</li> <li>• Bulk granulated carbon</li> <li>• Up to MERV 15</li> </ul>
	 <p><b>MC VB</b></p> <ul style="list-style-type: none"> <li>• V-Bank filters with carbon</li> <li>• Impregnated polyester media</li> <li>• Bulk granulated carbon</li> <li>• Up to MERV 15</li> </ul>	 <p><b>MC TL</b></p> <ul style="list-style-type: none"> <li>• Mini pleat thin line filters with carbon</li> <li>• 2" &amp; 4" depths</li> <li>• Impregnated polyester media</li> <li>• Bulk granulated carbon</li> <li>• MERV 8/9</li> </ul>
MolecularClass Series - HEPA Housings & Holding Frames	 <p><b>Microlock Carbon Housings</b></p> <ul style="list-style-type: none"> <li>• Available in galvanized, stainless, &amp; aluminized</li> <li>• Available with 2" or 4" prefilter</li> <li>• 12 filters per 1 high section</li> <li>• Nominal 3/4" carbon trays</li> <li>• Gasketed doors</li> </ul>	

# High Purity Filtration All Products Guide

Microbarrier Series - HEPA & ULPA Filters	 <p><b>Microbarrier HEPA/HEPAMAX™</b></p> <ul style="list-style-type: none"> <li>• Microglass media</li> <li>• Separator style pack</li> <li>• Gasket or gel seal</li> <li>• Galvanized, galvaneal, wood or aluminum frame</li> </ul>	 <p><b>Microbarrier HEPA/HEPAMAX™ HT</b></p> <ul style="list-style-type: none"> <li>• Microglass media</li> <li>• Separator style pack</li> <li>• Gasket seal</li> <li>• 500°F temperature rating</li> <li>• 304 stainless steel frame</li> </ul>
	 <p><b>Microbarrier HEPA MP/HEPAMAX™ MP</b></p> <ul style="list-style-type: none"> <li>• Microglass media</li> <li>• Mini pleat pack</li> <li>• HEPA construction</li> <li>• Galvanized, galvaneal, wood or aluminum frame</li> </ul>	 <p><b>Microbarrier HEPAMAX™ 2000/2400</b></p> <ul style="list-style-type: none"> <li>• Microglass media</li> <li>• V-Bank design</li> <li>• Mini pleat pack</li> <li>• Multiple frame options</li> </ul>
	 <p><b>Microbarrier 95</b></p> <ul style="list-style-type: none"> <li>• MERV 16</li> <li>• Microglass media</li> <li>• Metal &amp; wood frame options</li> <li>• ASHRAE construction</li> </ul>	 <p><b>Microbarrier 95XL/95XL MAX</b></p> <ul style="list-style-type: none"> <li>• MERV 16</li> <li>• Microglass media</li> <li>• Metal &amp; wood frame options</li> <li>• HEPA construction</li> </ul>
	 <p><b>Microbarrier 95XL MAX MP</b></p> <ul style="list-style-type: none"> <li>• MERV 16</li> <li>• Microglass media</li> <li>• Mini pleat pack</li> <li>• HEPA construction</li> </ul>	

Microclass Series - HEPA & ULPA Modules	 <p><b>Microclass Panel</b></p> <ul style="list-style-type: none"> <li>• Terminal module in HEPA &amp; ULPA efficiencies</li> <li>• Additional options: <ul style="list-style-type: none"> <li>- Frame material</li> <li>- Media pack depths</li> <li>- Gel or gasket seal</li> </ul> </li> </ul>	 <p><b>eFlexMH</b></p> <ul style="list-style-type: none"> <li>• High purity efficiency U13 to H15</li> <li>• Available in depths of 2.72" &amp; 3.54"</li> <li>• Mini pleat technology for laminar flow</li> <li>• Very low pressure drop</li> </ul>	
	 <p><b>Microclass TM</b></p> <ul style="list-style-type: none"> <li>• Terminal module in HEPA &amp; ULPA efficiencies</li> <li>• Additional options: <ul style="list-style-type: none"> <li>- Frame material</li> <li>- Media pack depths</li> <li>- Insulation type</li> <li>- Collar size</li> </ul> </li> </ul>	 <p><b>Microclass FFU</b></p> <ul style="list-style-type: none"> <li>• Quiet noise levels around 52dBA</li> <li>• Constructed materials have low chemical off gasing</li> <li>• For containment of bio-hazards</li> <li>• Low energy consumption</li> </ul>	
	 <p><b>Microclass GSR</b></p> <ul style="list-style-type: none"> <li>• Room side replaceable hood for gel seal HEPA panel</li> <li>• Additional options: <ul style="list-style-type: none"> <li>- Frame material</li> <li>- Media pack depths</li> <li>- Insulation type</li> <li>- Collar size</li> </ul> </li> </ul>	 <p><b>Microclass GSR2</b></p> <ul style="list-style-type: none"> <li>• Room side replaceable hood for gel seal HEPA panel</li> <li>• Additional options: <ul style="list-style-type: none"> <li>- Frame material</li> <li>- Media pack depths</li> <li>- Insulation type</li> <li>- Collar size</li> </ul> </li> </ul>	
	Microlock Series - HEPA Housings & Holding Frames	 <p><b>Microlock HEPA Holding Frame</b></p> <ul style="list-style-type: none"> <li>• Two depths</li> <li>• Locking mechanism</li> <li>• Stainless steel available</li> <li>• Gasket &amp; gel seal</li> </ul>	 <p><b>Microlock HEPA SA Bolt Lock Housing</b></p> <ul style="list-style-type: none"> <li>• HEPA housing with bolt lock mechanism</li> <li>• Gasket only</li> </ul>
		 <p><b>Microlock HEPA SA Crank Lock Housing</b></p> <ul style="list-style-type: none"> <li>• HEPA housing with crank lock mechanism</li> <li>• Gasket &amp; gel seal</li> </ul>	 <p><b>Microlock HEPA Bag In/Bag Out Housing</b></p> <ul style="list-style-type: none"> <li>• BIBO HEPA containment housings</li> <li>• Gasket &amp; gel seal</li> </ul>

Microlock Series - HEPA Housings & Holding Frames



**Microlock Damper**

- 12 ga. 304 stainless steel
- 16 ga. 304 stainless steel damper blades
- Continuously welded construction
- Standard sizes 6" to 36"
- Standard with manual actuator
- Silicone gasket seal



**Microlock Low Wall Return**

- 14 & 11 gauge stainless steel
- Continuously welded construction
- Available in half & full sizes
- Cosmetic access door & grille

# HVAC Filtration All Products Guide

Select Series - Panel Filters, Pads & Rolls



**Select Panels**

- Options:
  - SelectF | Fiberglass, channel frame
  - SelectFDC | Fiberglass, 1-piece or 2-piece die cut frame
  - SelectPDC | Polyester, 1-piece or 2-piece die cut frame



**Select Pads & Rolls**

- Options:
  - SelectF Pads & Rolls | Fiberglass pads & rolls
  - SelectHH Pads & Rolls | Hog hair pads & rolls

Prime Series - Pleated Filters & Air Cleaners



**Prime Pleats**

- Synthetic media
- Options:
  - Prime8 & Prime8HC | MERV 8 | standard & high cap.
  - Prime8XT | MERV 8, heavy duty
  - Prime10 & Prime10HC | MERV 10 | standard & high cap.
  - Prime10WL | MERV 10, wireless
  - Prime11 & Prime11HC | MERV 11 | standard & high cap.
  - Prime13 | MERV 13



**PrimeAC Air Cleaners**

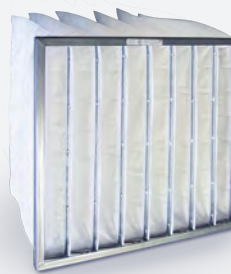
- Options:
  - PrimeAC8 | MERV 8 air cleaner
  - PrimeAC10 | MERV 10 air cleaner
  - PrimeAC11 | MERV 11 air cleaner
  - PrimeAC13 | MERV 13 air cleaner

ProPocket Series - Bag Filters











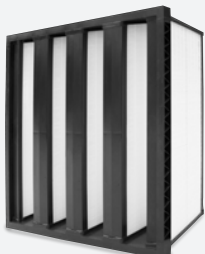

**ProPocket Elite**





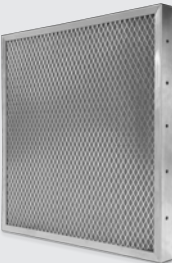





- MERV 11, 13, & 15
- Fiberglass media
- Metal header



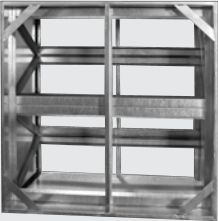



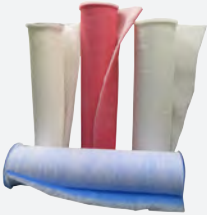
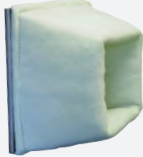


**ProPocket Ultra**

- MERV 10-15
- Synthetic media
- Metal frame

<b>ProPocket Series - Bag Filters</b>	 <p><b>ProPocket Dual Ultra</b></p> <ul style="list-style-type: none"> <li>• MERV 12-15</li> <li>• Synthetic media</li> <li>• Metal header</li> <li>• AT available</li> </ul>	 <p><b>ProPocket Hybrid</b></p> <ul style="list-style-type: none"> <li>• MERV 12-16</li> <li>• Hybrid media</li> <li>• Metal frame</li> <li>• Multi-layer bags</li> </ul>
<b>ProCell Series - Rigid Box Filters</b>	 <p><b>ProCell Elite</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13 &amp; 14</li> <li>• Fiberglass media</li> <li>• Plastic or metal frame</li> </ul>	 <p><b>ProCell Ultra</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 12, 13 &amp; 15</li> <li>• Synthetic media</li> <li>• Plastic or metal frame</li> </ul>
<b>ProCell Plus Series - ASHRAE Box Filters</b>	 <p><b>ProCell Plus ASHRAE</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13 &amp; 14</li> <li>• Moisture-resistant fiberglass media</li> <li>• Aluminum separators</li> </ul>	 <p><b>ProCell Plus HT &amp; MIF</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13 &amp; 14</li> <li>• Moisture-resistant fiberglass media</li> <li>• Metal frame</li> <li>• High temperature version</li> <li>• Machine intake version</li> </ul>
<b>V-Bank Series - V-Bank Mini Pleat Filters</b>	 <p><b>VB2 Elite</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13, 14 &amp; 15</li> <li>• Fiberglass media</li> <li>• Plastic single header frame</li> </ul>	 <p><b>VB2 Ultra</b></p> <ul style="list-style-type: none"> <li>• MERV 11-16</li> <li>• Synthetic media</li> <li>• Plastic single header frame</li> </ul>
<b>V-Bank Series - V-Bank Mini Pleat Filters</b>	 <p><b>VB4 Elite</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13, 14 &amp; 15</li> <li>• Fiberglass media</li> <li>• Plastic single header frame</li> </ul>	 <p><b>VB4 Ultra</b></p> <ul style="list-style-type: none"> <li>• MERV 11-16</li> <li>• Synthetic media</li> <li>• Plastic single header frame</li> </ul>

ThinLine Series - Mini Pleat Thin Line Filters	 <p><b>TL Elite</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13, 14 &amp; 15</li> <li>• Fiberglass media</li> <li>• Beverage board, plastic, or metal frame</li> <li>• Options: <ul style="list-style-type: none"> <li>- TL2 Elite   2" depth</li> <li>- TL4 Elite   4" depth</li> <li>- TL6 Elite   6" depth</li> </ul> </li> </ul>	 <p><b>TL Ultra</b></p> <ul style="list-style-type: none"> <li>• MERV 11, 13, 14 &amp; 15</li> <li>• Synthetic media</li> <li>• Beverage board, plastic, or metal frame</li> <li>• Options: <ul style="list-style-type: none"> <li>- TL2 Ultra   2" depth</li> <li>- TL4 Ultra   4" depth</li> <li>- TL6 Ultra   6" depth</li> </ul> </li> </ul>
ProMetal Series - Metal Filters & Frames	 <p><b>ProMetal MWA &amp; MWG</b></p> <ul style="list-style-type: none"> <li>• Options: <ul style="list-style-type: none"> <li>- MWA   Aluminum metal washable filter</li> <li>- MWG   Galvanized metal washable filter</li> </ul> </li> </ul>	 <p><b>ProMetal PHF &amp; PHFB</b></p> <ul style="list-style-type: none"> <li>• Holds fiberglass, polyester &amp; hog hair media pad</li> <li>• Options: <ul style="list-style-type: none"> <li>- PHF   Pad holding frame without bar</li> <li>- PHFB   Pad holding frame with bar</li> </ul> </li> </ul>
	 <p><b>ProMetal MSG &amp; MSS</b></p> <ul style="list-style-type: none"> <li>• Options: <ul style="list-style-type: none"> <li>- MSG   Galvanized moisture separator</li> <li>- MSS   Stainless steel moisture separator</li> </ul> </li> </ul>	 <p><b>ProMetal ECA</b></p> <ul style="list-style-type: none"> <li>• Electrostatic aluminum filter</li> </ul>
Tri-Dek® Series - Filter Media	 <p><b>Tri-Dek® Media Pads &amp; Rolls</b></p> <ul style="list-style-type: none"> <li>• Options: <ul style="list-style-type: none"> <li>- Tri-Dek® PBP   Poly blue/white media pad</li> <li>- Tri-Dek® PBR   Poly blue/white media roll</li> </ul> </li> </ul>	 <p><b>Tri-Dek® Media Pads &amp; Rolls</b></p> <ul style="list-style-type: none"> <li>• Options: <ul style="list-style-type: none"> <li>- Tri-Dek® POP   Poly orange/white media pad</li> <li>- Tri-Dek® POR   Poly orange/white media roll</li> </ul> </li> </ul>
Tri-Dek® Series - Ring Panels, Links & Cubes	 <p><b>Tri-Dek® Ring Panels &amp; Links</b></p> <ul style="list-style-type: none"> <li>• MERV 6-8</li> <li>• 2, 3 &amp; 4-ply</li> <li>• Panels, links &amp; ALAPS</li> </ul>	 <p><b>Tri-Dek® Cubes</b></p> <ul style="list-style-type: none"> <li>• MERV 11 &amp; 13</li> <li>• 2, 3 &amp; 4-ply</li> <li>• AT available</li> </ul>

<b>Microlock Series - ASHRAE Housings &amp; Holding Frames</b>	 <p><b>Microlock ASHRAE Holding Frames</b></p> <ul style="list-style-type: none"> <li>• Universal &amp; T8</li> <li>• Full range of filter clips</li> </ul>	 <p><b>Microlock ASHRAE FB Housing</b></p> <ul style="list-style-type: none"> <li>• Standard flat bank</li> <li>• Mist removal</li> <li>• Combo housings</li> </ul>
	 <p><b>Microlock ASHRAE VB Housing</b></p> <ul style="list-style-type: none"> <li>• V-Bank housing for 2" &amp; 4" deep filters</li> </ul>	 <p><b>Microlock ASHRAE SA Housing</b></p> <ul style="list-style-type: none"> <li>• 1/2" &amp; 1" final filter track</li> <li>• Boxes &amp; bags</li> <li>• Side access housing</li> </ul>
<b>Air Purifiers</b>	 <p><b>TK500</b></p> <ul style="list-style-type: none"> <li>• 500 CFM</li> <li>• HEPA filter</li> <li>• UV lights</li> <li>• Negative pressure</li> <li>• Mobile</li> </ul>	 <p><b>SQ500</b></p> <ul style="list-style-type: none"> <li>• Real HEPA</li> <li>• 4 speed fan</li> <li>• Real time IAQ monitoring</li> <li>• Mobile</li> </ul>
	<b>Misc. Filters</b>	 <p><b>Auto Rolls</b></p>
		 <p><b>Reverse Cube Filters</b></p>

**LOCAL REPRESENTATIVE**

MANN+HUMMEL is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.