

**HYDRONIX™**  
 WATER TECHNOLOGY

**AR SERIES**  
*Absolute Rated Pleated Filters*


- Double layer structure, absolute rated
- Thermal bonded end caps and connectors free of any binders
- USP XXIII and FDA CFR Title 21
- End connections fit most standard housings

#### **HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS**

Are Beta 5,000 Absolute rated filters. Made from 100% pure Polypropylene, Hydronix AR Series Filters comply with USP XXIII and FDA CFR Title 21 for food and beverage applications.

#### **HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS**

Offer a longer service life and contain no binders, adhesives or surfactants for wide compatibility of fluids. They combine exceptional solids holding capacity with precise micron ratings. Layered double sheets of media provide absolute particle retention and long service life.



## AR SERIES

### Absolute Rated Pleated Filters

### Materials of Construction

Filter Media: Polypropylene  
 Support: Polypropylene  
 Core: Polypropylene  
 End Cap: Polypropylene  
 O-Ring: EPDM, Buna-N, Silicone, Viton, Viton encapsulated PFA

### Displaces

Millipore: Polyguard-CN	Cuno: Poly Flow-G
Pall: HDC II Filter	Cuno: Polypro
Pall: Ultipleat Profile	Filterite: Poly-Fine II

### Maximum Pressure Drop

68°F at 70 PSI	20°C at 4.9 kg/cm <sup>2</sup>
140°F at 40 PSI	60°C at 2.8 kg/cm <sup>2</sup>
203°F at 20 PSI	95°C at 1.4 kg/cm <sup>2</sup>

### Operating Data

Recommended Replaceable  
 Pressure Drop: 35.6 PSI (2.5 kg/cm<sup>2</sup>)  
 Max. Operating Temperature: 203°F (95°C)

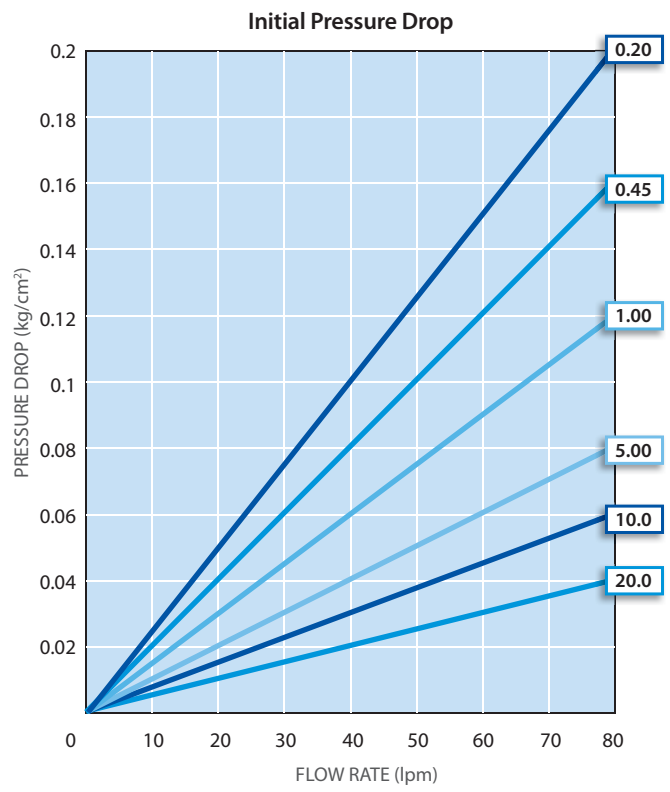
### Model # Guide

Absolute Rated Pleated Filter	O-Ring Material	Length
<b>AR-0020</b>	<b>S</b>	<b>0-1</b>
Micron Rating	End Cap Number	

**LEGEND**

<p><b>Micron Rating:</b></p> <ul style="list-style-type: none"> <li>0020 = 0.2 Micron</li> <li>0045 = 0.45 Micron</li> <li>0100 = 1 Micron</li> <li>0500 = 5 Micron</li> <li>1000 = 10 Micron</li> <li>2000 = 20 Micron</li> </ul> <p><b>O-Ring Material:</b></p> <ul style="list-style-type: none"> <li>E = EPDM</li> <li>N = Buna-N</li> <li>S = Silicone</li> <li>V = Viton</li> <li>T = Viton Encapsulated PFA</li> </ul>	<p><b>End Cap Number:</b></p> <ul style="list-style-type: none"> <li>F = Double Open End (DOE)</li> <li>0 = 222/Flat (SOE)</li> <li>5 = 222/Fin (SOE)</li> <li>6 = 226/Flat (SOE)</li> <li>7 = 226/Fin (SOE)</li> </ul> <p><b>Length:</b></p> <ul style="list-style-type: none"> <li>1 = 10"</li> <li>2 = 20"</li> <li>3 = 30"</li> <li>4 = 40"</li> </ul> <p><b>Pre-Flush:</b></p> <ul style="list-style-type: none"> <li>B = Pre-flush with DI water</li> <li>A = Non pre-flush</li> </ul>
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Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



RETENTION EFFICIENCY (%)							
Item Number	0.2 Micron	0.3 Micron	0.5 Micron	1.0 Micron	5.0 Micron	10.0 Micron	20.0 Micron
AR0020	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9
AR0045	62.3	71.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9
AR0100	30.2	67.1	73.9	> 99.9	> 99.9	> 99.9	> 99.9
AR0500	-	-	46.8	87.3	> 99.9	> 99.9	> 99.9
AR1000	-	-	-	53.9	81.5	> 99.9	> 99.9
AR2000	-	-	-	-	59.3	86.9	> 99.9