

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 5000 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 use with wide compatibility of fluids. With their exceptional solids holding capacity, precise micron ratings and their double layered sheets of media they 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

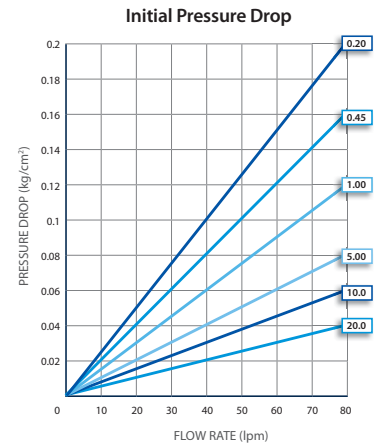
68°F at 70 PSI	20°C at 4.9 kg/cm <sup>2</sup>
140°F at 40 PSI	60°C at 2.8 kg/cm <sup>2</sup>
203°F at 20 PSI	95°C at 1.4 kg/cm <sup>2</sup>

## Operating Data

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

AR SERIES SPECIFICATIONS					
	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style
10"	AR0020S01A	2.5" x 10"	0.2	SILICONE	222/FLAT
	AR0020S51A	2.5" x 10"	0.2	SILICONE	222/FIN
	AR0020SF1A	2.5" x 10"	0.2	SILICONE	DOE
20"	AR0020S02A	2.5" x 20"	0.2	SILICONE	222/FLAT
	AR0020S52A	2.5" x 20"	0.2	SILICONE	222/FIN
	AR0020SF2A	2.5" x 20"	0.2	SILICONE	DOE
30"	AR0020S03A	2.5" x 30"	0.2	SILICONE	222/FLAT
	AR0020S53A	2.5" x 30"	0.2	SILICONE	222/FIN
	AR0020SF3A	2.5" x 30"	0.2	SILICONE	DOE
40"	AR0020S04A	2.5" x 40"	0.2	SILICONE	222/FLAT
	AR0020S54A	2.5" x 40"	0.2	SILICONE	222/FIN
	AR0020SF4A	2.5" x 40"	0.2	SILICONE	DOE

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



## Model # Guide

Absolute Rated Pleated Filter      O-Ring Material Length  
**AR 0020 S 0 1 A**  
 Micron Rating      End Cap Number      Pre Flush

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**LEGEND**

<b>Micron Rating:</b>	0020 = 0.2 Micron 0045 = 0.45 Micron 0100 = 1 Micron 0500 = 5 Micron 1000 = 10 Micron 2000 = 20 Micron	<b>End Cap Number: F = Double Open End (DOE)</b>	0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE)
<b>O-Ring Material:</b>	E = EPDM N = Buna-N S = Silicone V = Viton T = Viton Encapsulated PFA	<b>Length:</b>	1 = 10" 2 = 20" 3 = 30" 4 = 40"
		<b>Pre-Flush:</b>	B = Pre-flush with DI water A = Non pre-flush

F

0

5

6

7

End cap, special lengths and diameters available.

Hydronix AR Series Absolute Rated Pleated Filters comply with FDA CFR21 regulations for use in food and beverage applications.

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Distributed by:

## HYDRONIX WATER TECHNOLOGY

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