

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

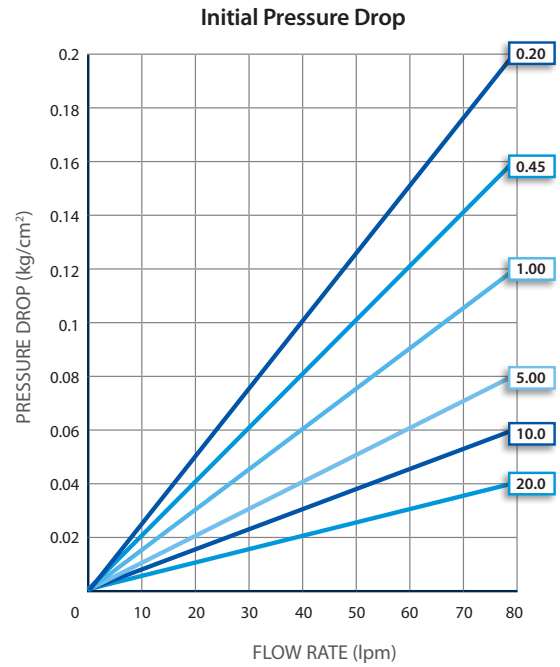
Millipore:	Polyguard-CN	Cuno:	Poly Flow-G
Pall:	HDC II Filter	Cuno:	Polypro
Pall:	Ultipleat Profile	Filterite:	Poly-Fine II

Maximum Pressure Drop

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

Operating Data

Recommended Replaceable Pressure Drop: 35.6 PSI (2.5 kg/cm²)
 Max. Operating Temperature: 203°F (95°C)



Model # Guide

Absolute Rated Pleated Filter O-Ring Material Length

AR 0020 S 0 1 A

Micron Rating End Cap Number Pre Flush

LEGEND

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

F

O

5

6

7

End cap, special lengths and diameters available.

Item Number	RETENTION EFFICIENCY (%)						
	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

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

HYDRONIX WATER TECHNOLOGY

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