

## AR SERIES Absolute Rated Pleated Filters

- ✓ Double layer structure, absolute rated
- ✓ Thermal bonded end caps and connectors free of any binders
- ✓ End connections fit most standard housings
- ✓ Made with FDA CFR 21 approved material



### HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS

are Beta 5000 Absolute rated filters. Made from 100% pure Polupropylene, 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 surfactant 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.

### HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS

are free of surfactants, detergents and anti-static agents. AR series filter cartridges do not impart any substances into water which are known to or can cause adverse health effects to humans.

#### AR SERIES SPECIFICATIONS

	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
<b>10"</b>	AR0020S01A	2.5" x 10"	0.2	SILICONE	222/FLAT	20	15 x 12 x 14	17	7.71
	AR0020S51A	2.5" x 10"	0.2	SILICONE	222/FIN	20	15 x 12 x 14	17	7.71
	AR0020SF1A	2.5" x 10"	0.2	SILICONE	DOE	20	15 x 12 x 14	17	7.71
<b>20"</b>	AR0020S02A	2.5" x 20"	0.2	SILICONE	222/FLAT	20	15 x 12 x 23	30	13.61
	AR0020S52A	2.5" x 20"	0.2	SILICONE	222/FIN	20	15 x 12 x 23	30	13.61
	AR0020SF2A	2.5" x 20"	0.2	SILICONE	DOE	20	15 x 12 x 23	30	13.61
<b>30"</b>	AR0020S03A	2.5" x 30"	0.2	SILICONE	222/FLAT	20	15 x 12 x 35	43	19.50
	AR0020S53A	2.5" x 30"	0.2	SILICONE	222/FIN	20	15 x 12 x 35	43	19.50
	AR0020SF3A	2.5" x 30"	0.2	SILICONE	DOE	20	15 x 12 x 35	43	19.50
<b>40"</b>	AR0020S04A	2.5" x 40"	0.2	SILICONE	222/FLAT	20	15 x 12 x 44	55	24.95
	AR0020S54A	2.5" x 40"	0.2	SILICONE	222/FIN	20	15 x 12 x 44	55	24.95
	AR0020SF4A	2.5" x 40"	0.2	SILICONE	DOE	20	15 x 12 x 44	55	24.95

### Materials of Construction

Filter Media:	Polypropylene
Outer Shell:	Polypropylene
Core:	Polypropylene
End Cap:	Polypropylene
O-Ring:	EPDM, Buna-N, Silicone, Viton, Viton Encapsulado PFA

### Applications

- RO Pre- filtration
- DI Pre- filtration
- Cooling Tower
- Pharmacist
- Liquids of medium and low viscosity
- Food and Beverages
- Laboratory

### Diameter

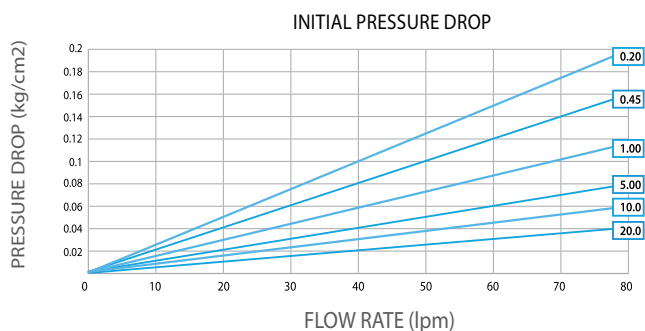
Inner Diameter (ID):	1"
Outer Diameter (OD):	2.75"

### Maximum Pressure Drop

68°F at 70 PSI	20°C at 4.9 kg/cm2
140°F at 40 PSI	60°C at 2.8 kg/cm2
203°F at 20 PSI	95°C at 1.4 kg/cm2

### 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**

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

**F**

DOE

**0**

222/FLAT

**5**

222/FIN

**6**

226/FLAT

**7**

226/FIN

End cap, special lengths and diameters available.

### Displaces

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

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
AR002	> 999	> 999	> 999	> 999	> 999	> 999	> 99.9
AR004	623	71.9	> 999	> 999	> 999	> 999	> 99.9
AR010	302	67.1	73.9	> 999	> 999	> 999	> 99.9
AR050	-	-	46.8	87.3	> 999	> 999	> 99.9
AR100	-	-	-	53.9	81.5	> 999	> 99.9
AR200	-	-	-	-	59.3	86.9	> 99.9