INDUSTRIAL® ALL NATURAL POLYPROPYLENE
CARTRIDGE HOUSINGS

All Natural Polypropylene Cartridge Housings help maintain high standards of purity and performance required in critical contamination control systems and processes.

FEATURES/BENEFITS

All Natural polypropylene components; no fillers, colorants, plasticizers or lubricants

Economical alternative to fluoropolymer, Stainless Steel or PTFE housings

Ultra-smooth contact surfaces prevent bacterial adhesion and build-up

Resists deionized water and other inorganic solutions

Resists stress cracking

FKM O-rings for dependable sealing

0.75" NPT inlet and outlet threads

Compatible with most manufacturers

APPLICATIONS

Deionized and Reagent Grade Water

Electronic Grade Chemicals (See Compatibility Chart)

Reagent Grade Chemicals

Pharmaceutical

Cosmetic

Freons (TF, 113)

Electronic Etching Solutions

Magnetic Coatings (Tape, Disc or Card)

Reverse Osmosis or Ultrafiltration Final Filters

OPTIONS

Housings with plugged 1/4" NPT inlet, outlet and sump ports

Sump extension kit for 12" housing (157209)

Cartridge coupler (155003)

Cap plug kit (144457)

HOUSING SPECIFICATIONS

Housing	All natural Polypropylene
Cap	All natural Polypropylene
O-ring	FKM
Max. Temperature	100˚F (37.8˚C)
Max. Pressure	100 psi (6.9 bar)

CAUTION: Do not install where system will be exposed to direct sunlight.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage. For additional information about chemical compatibility, call our technical support department at 800.861.8758.

MODEL	CARTRIDGE SEALING	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
#10	DOE	12.5" x 5.125" (320 mm x 180 mm)	1 PSI @ 10 gpm (0.1 bar @ 38 Lpm)
#12	222 O-ring sealing	15.375" x 5.125" (390 mm x 180 mm)	1 PSI @ 10 gpm (0.1 bar @ 38 Lpm)
#20	DOE 222 O-ring sealing	29.125" x 5.125" (590 mm x 180 mm)	1 PSI @ 10 gpm (0.1 bar @ 38 Lpm)

** Pressure drop measured on empty housing.*

CHEMICAL COMPATIBILITY

R = Resistant
C = Conditionally resistant
NR = Non-resistant

SEMICONDUCTOR PROCESSING MATERIALS	100% POLY		PVDF		
	68˚F (20˚C)	140˚F (60˚)	68˚F (20˚C)	140˚F (60˚C)	FKM
Acetic Acid 99.7% (135°F/51.7˚C Max)	R	C	R	R	NR
Acetic Acid 50%	R	R	R	R	R
Acetone 99.5%	R	R	NR	NR	NR
Ammonium Fluoride 40%	R	R	R	R	R
Ammonium Hydroxide 10%	R	R	R	R	R
Hydrochloric Acid 37%	R	R	R	R	R
Hydrofluoric Acid 49%, 52%	R	R	R	R	R
Hydrogen Peroxide 50%	R	C	R	R	R
Methanol 99.9% (140˚F/60˚C Max)	R	R	R	R	NR
Methylene Chloride 99.8% (105˚F/40.6˚C Max)	R	NR	R	NR	R
Methyl Ethyl Ketone	R	C	NR	NR	NR
N-Butyl Acetate 99.0%	NR	NR	C	NR	NR
Nitric Acid 60%	R	NR	R	C	R
Phosphoric Acid 86%	R	R	R	R	R
Potassium Hydroxide 45%	R	R	R	R	NR
2-Propanol 99.5%	R	R	R	C	R
Sodium Hydroxide 50%	R	R	R	R	R
Sulfuric Acid 90%	R	R	R	R	R
Tetrachloroethylene 99.0%	NR	NR	R	R	R
Water-Deionized	R	R	R	R	R

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