

PENTEK® ALL NATURAL SERIES FILTER HOUSINGS

IDEAL FOR APPLICATIONS WHERE PURITY, QUALITY, FILTRATION AND ECONOMY ARE DESIRED



Pentair® Pentek® All Natural Filter Housings help maintain high standards of purity and performance required in critical contamination control systems and processes. These housings can also be used for a variety of other applications where purity, quality, filtration and economy are required.

All Natural Filter Housings have 3/4" NPT inlet and outlet threads. Some housings are available with plugged 1/4" NPT inlet, outlet and sump ports.

FEATURES/BENEFITS

An economical solution to fluoro-polymer, stainless steel or PTFE housings

Pure polypropylene components – no fillers, colorants, plasticizers or lubricants

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

Resists DI water and other inorganic solutions

Resists stress cracking

Viton® O-rings provide dependable sealing

SPECIFICATIONS

Housing – All natural polypropylene

Cap – All natural polypropylene

O-Ring – Viton®

Cap – #241 Viton

Plug O-Ring – #112 Viton

Temperature Rating – 40-100°F (4.4-37.8°C)

Maximum Pressure – 100 psi (6.9 bar)

SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150132*	3/4" #10 Standard w/Mounting Bracket Cap w/Double Cap Plugs	12.06" x 5.07" (306 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150150*	3/4" #10 Standard w/Mounting Bracket Cap w/o Cap Plugs	12.06" x 5.07" (306 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150152**	3/4" #10 Standard w/Mounting Bracket Cap w/222 Cartridge Sealing Cap w/o Cap Plugs and w/o V-bead	12.06" x 5.07" (306 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150134**	3/4" #12 Standard w/ Mounting Bracket Cap w/222 Cartridge Sealing Cap w/Double Cap Plugs, w/o V-bead w/Drain	15.07" x 5.07" (383 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150154**	3/4" #12 Standard w/Mounting Bracket Cap w/222 Cartridge Sealing Cap w/o Cap Plugs and w/o V-bead	15.07" x 5.07" (383 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150135*	3/4" #20 Standard w/Mounting Bracket Cap w/Double Cap Plugs and Sump Drain	22.34" x 5.13" (567 x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150141**	3/4" #20 Standard w/Mounting Bracket Cap w/Extended 222 Cartridge Sealing Cap w/Double Cap Plugs and w/o V-bead	22.34" x 5.13" (567 x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150156*	3/4" #20 Standard w/Mounting Bracket Cap w/o Cap Plugs	22.34" x 5.13" (567 x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150158**	3/4" #20 Standard w/Mounting Bracket Cap w/Extended 222 Cartridge Sealing Cap w/o Cap Plugs and w/o V-bead	22.34" x 5.13" (567 x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150512**	3/4" #12 Standard "White" w/Mounting Bracket Cap w/222 Cartridge Sealing Cap and Double Cap Plugs	15.07" x 5.07" (383 x 129 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150514**	3/4" #20 Standard "White" Mounting Bracket Cap w/222 Cartridge Sealing Cap and Double Cap Plugs	22.34" x 5.13" (567 x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)

*Double open ended. **222 O-ring seating. CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

CHEMICAL COMPATIBILITY CHART

SEMICONDUCTOR PROCESSING MATERIALS	PURE POLY		PVDF		VITON®
	68°F (20°C)	140°F (60°C)	68°F (20°C)	140°F (60°C)	
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

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

ACCESSORIES

PART #	DESCRIPTION
157209	All Natural Sump Extension Adapter for #12
144457	All Natural Vent/Drain Plug Kit (Included Plug & O-ring)
150295	SW-2 Wrench for Standard
155003	Cartridge Coupler for Standard Cartridges
151117	Silicon #241 O-ring
150578	MC-1A Kit - Zinc Plated Bracket for Standard
244043	MC-1A - Zinc Plated Bracket ONLY for Standard
244686	Two-Housing Standard System Bracket
244687	Three-Housing Standard Bracket



FILTRATION & PROCESS

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