

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

FKM O-rings provide dependable sealing

SPECIFICATIONS

Housing – All natural polypropylene

Cap – All natural polypropylene

O-Ring – FKM

Cap – #241 FKM

Plug O-Ring – #112 FKM

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 | | FKM |
|---|-------------|--------------|-------------|--------------|-----|
| | 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 |



For more information or to order this product, contact us:

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