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# HOUSINGS

# PENTEK TRADITIONAL SLIM LINE SERIES FILTER HOUSINGS

AN EXCELLENT CHOICE FOR LOW-FLOW APPLICATIONS & WHEN SPACE AND CHEMICAL COMPATIBILITY ARE PRIMARY CONCERNS



**Pentair Pentek<sup>®</sup> Slim Line<sup>®</sup> Filter Housings** are available in either reinforced polypropylene or clear Styrene-Acrylonitrile (SAN) in 5", 10" and 20" lengths. The black or blue reinforced polypropylene housing caps are available with 1/4", 3/8" or 1/2" NPT connections. Four bosses are molded into every cap for mounting purposes.

They are equipped with a black, reinforced polypropylene cap and offer an optional pressure-relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.

**Opaque Slim Line Filter Housings**, molded from rugged reinforced polypropylene, offer outstanding chemical compatibility and are ideal for use in a variety of low-flow applications. These applications include under-sink and countertop residential filtration, pre- and post-reverse osmosis filtration, recreational vehicle filtration, foodservice and humidifying systems.

**Clear Slim Line Filter Housings** offer on-site examination of flow, performance, and cartridge life. They are also ideal for a variety of applications.

## FEATURES/BENEFITS

Slim design reduces space required for installation without sacrificing capacity

Available in 5", 10" and 20" lengths

Optional pressure relief button on inlet side of cap

Leak-proof seal

Available with clear or opaque sumps

## SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced polypropylene

Button Assembly – 300 Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Temperature Rating – 40-125°F (4.4-51.7°C)

Maximum Pressure – 125 psi (8.6 bar)



The 158005, 158006, 158098, 158114, 158115, 158120, 158125, 158126, 158129, 158131, 158149, 158182, 158195, 158196, 158204, and 158205 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158132	1/4" #5 Slim Line Blue/Clear w/PR	7.38" x 4.63" (187 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158133	1/4" #5 Slim Line Blue/Clear w/o PR	7.38" x 4.63" (187 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158138	1/4" #5 Slim Line Black/Blue w/o PR	7.38" x 4.38" (187 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158678	1/4" #5 Slim Line White/White w/o PR	7.38" x 4.38" (187 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158114*	1/4" #10 Slim Line Black/Blue w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158115*	1/4" #10 Slim Line Black/Blue w/PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158116	1/4" #10 Slim Line Blue/Clear w/o PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158117	1/4" #10 Slim Line Blue/Clear w/PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158120*	1/4" #10 Slim Line Black/Black w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158125*	1/4" #10 Slim Line White/White w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158126*	1/4" #10 Slim Line White/Black w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158182*	1/4" #10 Slim Line White/White w/PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158326	1/4" #10 Slim Line Clear/White w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158131*	1/4" #20 Slim Line Black/Blue w/o PR	21.88" x 4.38" (556 mm x 111 mm)	3 psi @ 5 gpm (0.21 bar @ 19 Lpm)
158841	1/4" #20 Slim Line White/White w/o PR	21.88" x 4.38" (556 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158002	3/8" #5 Slim Line Black/Blue w/PR	7.38" x 4.38" (187 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158003	3/8" #5 Slim Line Black/Blue w/o PR	7.38" x 4.38" (187 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158110	3/8" #5 Slim Line Blue/Clear w/PR	7.38" x 4.63" (187 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158111	3/8" #5 Slim Line Blue/Clear w/o PR	7.38" x 4.63" (187 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158005*	3/8" #10 Slim Line Black/Blue w/PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158006*	3/8" #10 Slim Line Black/Blue w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158007	3/8" #10 Slim Line Blue/Clear w/PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158008	3/8" #10 Slim Line Blue/Clear w/o PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158149*	3/8" #10 Slim Line White/White w/PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158098*	3/8" #10 Slim Line White/White w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158129*	3/8" #20 Slim Line Black/Blue w/o PR	21.88" x 4.38" (556 mm x 111 mm)	3 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158842	3/8" #20 Slim Line White/White w/o PR	21.88" x 4.38" (556 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158203	1/2" #5 Slim Line Black/Blue w/PR	7.38" x 4.38" (187 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158195*	1/2" #10 Slim Line Black/Blue w/PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158196*	1/2" #10 Slim Line Black/Blue w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158214	1/2" #10 Slim Line Blue/Clear w/PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158215	1/2" #10 Slim Line Blue/Clear w/o PR	12.13" x 4.63" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158583	1/2" #10 Slim Line Black/Black w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158765	1/2" #10 Slim Line White/White w/o PR	11.75" x 4.38" (298 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158204*	1/2" #20 Slim Line Black/Blue w/PR	21.88" x 4.38" (556 mm x 111 mm)	3 psi @ 5 gpm (0.21 bar @ 19 Lpm)
158205*	1/2" #20 Slim Line Black/Blue w/o PR	21.88" x 4.38" (556 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158843	1/2" #20 Slim Line White/White w/o PR	21.88" x 4.38" (556 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

\*NSF listed

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A Wrench for Slim Line
155003	Cartridge Coupler for Standard Cartridges
151121	Buna-N #237 O-ring for Slim Line
158095	Viton #237 O-ring for Slim Line
158096	Silicone #237 O-ring for Slim Line
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line
357638	SL-SS - Stainless Steel Bracket ONLY for Slim Line
357644	SL-SS Kit - Stainless Steel Bracket for Slim Line
244046-00	SL-ZP - Zinc Plated Bracket ONLY for Slim Line
244627-02	Two-Housing System Bracket

## PENTEK COUNTER TOP SLIM LINE SERIES FILTER HOUSINGS

LOW-FLOW APPLICATIONS. SAME CAPACITY.

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**Pentair Pentek Counter Top Slim Line Housings are available in polypropylene in a 10" length. The reinforced polypropylene housing cap is available with 1/4" NPT connections.**

**Counter Top Slim Line Filter Housings are molded from rugged reinforced polypropylene and offer outstanding chemical compatibility. They are ideal for use in a variety of low-flow applications.**

### FEATURES/BENEFITS

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Slim design reduces space required for installation without sacrificing capacity

Available with 1/4" NPT

10" length available

Available in white opaque sump

### SPECIFICATIONS

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Housing – Polypropylene  
Cap – Reinforced Polypropylene  
O-Ring – Buna-N

Temperature Rating –  
40-125°F (4.4-51.7°C)  
Maximum Pressure –  
125 psi (8.62 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158177	1/4" #10 Counter Top Slim Line White/Black w/o PR	11.75" x 4.38" (298 x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158179	1/4" #10 Counter Top Slim Line White/White w/o PR	11.75" x 4.38" (298 x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A wrench for Slim Line
151121	Buna-N #237 O-ring for Slim Line
158095	Viton #237 O-ring for Slim Line
158096	Silicone #237 O-ring for Slim Line
SH144585	Diverter Valve - Double Barb
SH244538	1/4" X 36" White Vinyl Tubing
SH244542	1/4" Chrome Elbow for SH244544
SH244543	1/4" Chrome Elbow with 1/4" Barb Fitting
SH244544	1/4" Chrome Spout
SH244545	Diverter Valve - Single Barb
SH244546	Diverter Valve Adapter Set 13/16"
SH244547	Diverter Valve Adapter Set 15/16"

## PENTEK 3G SLIM LINE SERIES FILTER HOUSINGS

SLIM DESIGN AND CHEMICAL COMPATIBILITY ARE AN IDEAL CHOICE FOR LOW-FLOW APPLICATIONS



**Pentair Pentek 3G Slim Line Housings are the perfect choice for low-flow filtration applications. Their slim design and high chemical compatibility make them ideal for those challenging applications.**

**Caps are manufactured from reinforced polypropylene in black, blue, and white. Three different style caps add to the flexibility of these housings. The mounting bracket cap allows the housing to be mounted to a single or multiple housing bracket.**

**The bracket is built into the integral bracket cap. The meter mount cap's gauges indicate when the cartridge is dirty and allow you to get the most out of your cartridges.**

**Housings are available with either clear or opaque sumps with the clear housings being manufactured of Styrene-Acrylonitrile (SAN) and the opaque housings are polypropylene. Clear housings offer on-site examination of the flow, cartridge life and performance. Opaque housings are molded from reinforced polypropylene and offer outstanding chemical compatibility.**

### FEATURES/BENEFITS

10" housings available with clear or opaque sump

Buttress threads for additional strength and easier cartridge changes

John Guest and NPT threaded connections offered in 1/4", 3/8", and 1/2"

Cap styles include mounting bracket, integral bracket, meter mount and optional pressure relief bleed valve

Housing accepts DOE (double open end) cartridges

Leak-proof seal

Pressure relief button helps reduce pressure in housing when changing cartridges

### SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced polypropylene

Button Assembly – 300-Series stainless steel, EPDM, and polypropylene

O-Ring – #237 Buna-N

Temperature Rating- 40-125°F (4.4-51.7°C)

Maximum Pressure- 125 psi (8.6 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION (#10 3G SLIM LINE)	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158598	1/4" Black/Blue Mounting Bracket Cap w/PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158599	1/4" Blue/Clear Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158601	1/4" White/White Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158603	1/4" Black/Blue Quick-Change Mounting Bracket Cap w/PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158604	1/4" Blue/Clear Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158606	1/4" White/White Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158637	1/4" Blue/Clear Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158638	1/4" White/White Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158639	1/4" Black/Blue Quick-Change Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158641	1/4" White/White Quick-Change Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158602	1/4" Black/Blue Quick Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 Lpm)
158608	3/8" Black/Blue Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158610	3/8" Blue/Clear Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158614	3/8" Black/Blue Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158616	3/8" Blue/Clear Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158619	3/8" White/White Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158642	3/8" Black/Blue Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158643	3/8" Blue/Clear Integral Bracket w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158644	3/8" White/White Integral Bracket Cap w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158647	3/8" White/White Quick-Change Integral Bracket w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158620	1/2" Black/Blue Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158621	1/2" Black/Blue Mounting Bracket Cap w/PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158622	1/2" Blue/Clear Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158623	1/2" Blue/Clear Mounting Bracket Cap w/PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158625	1/2" Black/Blue Quick-Change Mounting Bracket Cap w/o PR	11.75" x 4.75" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158648	1/2" Black/Blue Integral Bracket w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158649	1/2" Blue/Clear Integral Bracket w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)
158794	1/2" Black/Clear Integral Bracket w/PR	13.75" x 5.38" (349 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A Wrench for Slim Line
155003	Cartridge Coupler for Standard Cartridges
151121	Buna-N #237 O-ring for Slim Line
158095	Viton #237 O-ring for Slim Line
158096	Silicone #237 O-ring for Slim Line
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line
357638	SL-SS - Stainless Steel Bracket ONLY for Slim Line
357644	SL-SS Kit - Stainless Steel Bracket for Slim Line
244046-00	SL-ZP - Zinc Plated Bracket ONLY for Slim Line
244627-02	Two-Housing System Bracket

## PENTEK FLAT CAP SLIM LINE SERIES FILTER HOUSINGS

AN EXCELLENT CHOICE FOR LOW-FLOW APPLICATIONS & WHEN SPACE AND CHEMICAL COMPATIBILITY ARE PRIMARY CONCERNS



**Pentair Pentek Flat Cap Slim Line Filter Housings** are manufactured of a durable polypropylene or clear Styrene-Acrylonitrile (SAN). These housings are available in 10" lengths, while the caps are available with 1/4" or 1/2" NPT connections.

**Opaque Flat Cap Slim Line housings**, molded from rugged reinforced polypropylene, offer outstanding chemical compatibility and are ideal for use in a variety of low-flow applications. These applications include undersink and countertop residential filtration, pre- and post-reverse osmosis filtration, recreational vehicle filtration, food service and humidifying systems.

**Clear Flat Cap Slim Line housings** offer on-site examination of flow, performance, and cartridge life. They are also ideal for a variety of applications.

### FEATURES/BENEFITS

Slim design reduces space required for installation without sacrificing capacity

Available in 10" length

Available in clear or opaque sumps

Leak-proof seal

### SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced Polypropylene

Button Assembly – 300 Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Temperature Rating – 40-125°F (4.4-51.7°C)

Maximum Pressure – 125 psi (8.6 bar)



The 158739 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158739*	1/4" #10 Flat Cap Slim Line White/White w/o PR	12.36" x 4.63" (314 x 118 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158784	1/4" #10 Flat Cap Slim Line White/Clear w/o PR	12.36" x 4.63" (314 x 118 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158785	1/2" #10 Flat Cap Slim Line White/White w/o PR	12.36" x 4.63" (314 x 118 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158786	1/2" #10 Flat Cap Slim Line Black/White w/o PR	12.36" x 4.63" (314 x 118 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

\*WQA certified

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A for Slim Line
158095	Viton #237 for Slim Line
158096	Silicone #237 for Slim Line
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line
357638	SL-SS - Stainless Steel Bracket ONLY for Slim Line
357644	SL-SS Kit - Stainless Steel Bracket for Slim Line
244046-00	SL-ZP - Zinc Plated Bracket ONLY for Slim Line
244627-02	Two-Housing System Bracket

## PENTEK TRADITIONAL STANDARD SERIES FILTER HOUSINGS

EXCELLENT CHEMICAL RESISTANCE FOR MANY RESIDENTIAL, COMMERCIAL AND INDUSTRIAL APPLICATIONS



**Pentair Pentek Standard Filter Housings are manufactured of a durable polypropylene or clear Styrene-Acrylonitrile (SAN). All are equipped with 3/4" NPT inlet and outlet ports. Standard Filter Housings are available in both 10" and 20" lengths and will accommodate a wide range of 2-1/2" to 2-7/8" diameter cartridges. The reinforced polypropylene cap offers an optional pressure-relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.**

**Reinforced polypropylene housings have excellent chemical resistance and are ideal for many residential, commercial and industrial applications. Clear sumps offer on-site examination of the cartridge.**

**Opaque Standard Filter Housings are molded from rugged reinforced polypropylene. They offer outstanding chemical compatibility and are ideal for use in a variety of low-flow applications.**

**Clear Standard Filter Housings offer on-site examination of flow, performance, and cartridge life. They are ideal for a variety of applications.**

### FEATURES/BENEFITS

Ideal for a wide range of applications, including residential, commercial and industrial  
Available in 10" and 20" lengths  
Thick walls for increased strength

Optional pressure relief/bleed button on inlet side of cap  
Leak-proof seal  
Available with clear or opaque sumps

### SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)  
Cap – Reinforced polypropylene  
Button Assembly – 300 Series stainless steel, EPDM, and polypropylene  
O-Ring – Buna-N

Temperature Rating– 40-125°F (4.4-51.7°C)  
Maximum Pressure – 125 psi (8.6 bar)



The 150001, 150002, 150067, 150068, 150071, 150072, 150328, 150435 and 150436 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150001*	3/4" #10 Standard Blue/Blue w/o PR (Non-Mountable Cap)	12.25" x 5.13" (311 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150002*	3/4" #10 Standard Blue/Blue w/PR (Non-Mountable Cap)	12.25" x 5.13" (311 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150067*	3/4" #10 Standard Blue/Blue w/PR Mounting Bracket Cap	12.25" x 5.13" (311 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150068*	3/4" #10 Standard Blue/Blue w/o PR Mounting Bracket Cap	12.25" x 5.13" (311 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150071*	3/4" #10 Standard Blue/Clear w/ PR Mounting Bracket Cap	12.63" x 5.25" (321 mm x 133 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150072*	3/4" #10 Standard Blue/Clear w/o PR Mounting Bracket Cap	12.63" x 5.25" (321 mm x 133 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150435*	3/4" #10 Standard Black/Clear w/PR Mounting Bracket Cap	12.63" x 5.25" (321 mm x 133 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150436*	3/4" #10 Standard Black/Clear w/o PR Mounting Bracket Cap	12.63" x 5.25" (321 mm x 133 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150328*	3/4" #10 Standard Black/Black w/PR Mounting Bracket Cap	12.25" x 5.13" (311 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150069	3/4" #20 Standard Blue/Blue w/PR Mounting Bracket Cap	22.38" x 5.13" (568 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150070	3/4" #20 Standard Blue/Blue w/o PR Mounting Bracket Cap	22.38" x 5.13" (568 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150326	3/4" #20 Standard Black/Black w/PR Mounting Bracket Cap	22.38" x 5.13" (568 mm x 130 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

\*NSF listed

## ACCESSORIES

PART #	DESCRIPTION
150295	SW-2 Wrench for Standard
155003	Cartridge Coupler for Standard Cartridges
151120	Buna-N #241 O-ring for Standard
151117	Viton #241 O-ring for Standard
151118	Silicone #241 O-ring for Standard
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

## PENTEK STANDARD FLAT CAP SERIES FILTER HOUSINGS

EXCELLENT CHEMICAL RESISTANCE FOR MANY RESIDENTIAL, COMMERCIAL AND INDUSTRIAL APPLICATIONS



**Pentair Pentek Standard Flat Cap Filter Housings are manufactured of a durable polypropylene or clear Styrene-Acrylonitrile (SAN). All are equipped with 3/4" NPT inlet and outlet ports. These housings are available in both 10" and 20" lengths and will accommodate a wide range of 2-1/2" to 2-7/8" diameter cartridges. The reinforced polypropylene cap offers an optional pressure-relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.**

**Reinforced Polypropylene Housings have excellent chemical resistance and are ideal for many residential, commercial and industrial applications. Clear sumps offer on-site examination of the cartridge.**

**Opaque Housings are molded from rugged reinforced polypropylene. They offer outstanding chemical compatibility and are ideal for use in a variety of low-flow applications. These applications include under-sink and countertop residential filtration, pre- and post-reverse osmosis filtration, recreational vehicle filtration, food service and humidifying systems.**

**Clear Housings offer on-site examination of flow, performance, and cartridge life. They are also ideal for a variety of applications.**

### FEATURES/BENEFITS

Ideal for a wide range of applications, including residential, commercial and industrial

Available in 10" and 20" lengths

Thick walls for increased strength

Optional pressure relief/bleed button on inlet side of cap

Leak-proof seal

Available with clear or opaque sumps

### SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced polypropylene

Button Assembly – 300 Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Temperature Rating – 40-125°F (4.4-51.7°C)

Maximum Pressure – 125 psi (8.6 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158759	3/4" #10 Flat Cap Slim Line White/White w/o PR	12.36" x 4.70" (314 mm x 119 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158760	3/4" #10 Flat Cap Slim Line White/White w/PR	12.36" x 4.70" (314 mm x 119 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158753	3/4" #10 Flat Cap Slim Line Black/Clear w/PR	12.36" x 4.70" (314 mm x 119 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158757	3/4" #10 Flat Cap Slim Line White/Clear w/PR	12.36" x 4.70" (314 mm x 119 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
158758	3/4" #10 Flat Cap Slim Line Black/Blue w/o PR	12.36" x 4.70" (314 mm x 119 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A Wrench for Slim Line
155003	Cartridge Coupler for Standard Cartridges
151121	Buna-N #237 O-ring for Slim Line
158095	Viton #237 O-ring for Slim Line
158096	Silicone #237 O-ring for Slim Line
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line
357638	SL-SS - Stainless Steel Bracket ONLY for Slim Line
357644	SL-SS Kit - Stainless Steel Bracket for Slim Line
244046-00	SL-ZP - Zinc Plated Bracket ONLY for Slim Line
244627-02	Two-Housing System Bracket

# PENTEK VALVE-IN-HEAD (VIH) SERIES FILTER HOUSINGS

IDEAL FOR A VARIETY OF APPLICATIONS INCLUDING RESIDENTIAL, COMMERCIAL AND INDUSTRIAL



**Pentair Pentek Valve-in-Head Filter Housings incorporate the same rugged design and application features as our Standard 3/4" NPT Housings.**

**The internal valve-in-head allows both inlet and outlet ports to be simultaneously shut off with a half turn of the handle. This eliminates the need for external shut-off valves. Radial sealing O-rings and sealing surfaces are continuously cleaned each time the valve is used, ensuring leak-proof operation.**

**Valve-in-Head Filter Housings are available in both 10" and 20" lengths, and will accommodate a wide range of 2-3/8" to 2-7/8" diameter cartridges. The polypropylene caps feature a pressure-relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges.**

**Opaque Valve-In-Head Filter Housings are molded from rugged reinforced polypropylene, offer outstanding chemical compatibility, and are ideal for use in a variety of low-flow applications. These applications include under-sink and countertop residential filtration, pre- and post-reverse osmosis filtration, recreational vehicle filtration, foodservice, and humidifying systems.**

**Clear Valve-In-Head Filter Housings offer on-site examination of flow, performance, and cartridge life. They are also ideal for a variety of applications.**

## FEATURES/BENEFITS

Ideal for a wide range of applications, including residential, commercial and industrial

Available in 10" and 20" lengths

Thick walls for increased strength

Pressure relief/bleed button on inlet side of cap

Leak-proof seal

Available with clear or opaque sumps

## SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced polypropylene

Button Assembly – 300 Series stainless steel, EPDM, and polypropylene

Valve Parts – Delrin

O-Ring – Buna-N

Temperature Rating– 40-125°F (4.4-51.7°C)

Maximum Pressure – 125 psi (8.6 bar)



150164 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150164	3/4" Valve-In-Head #10 Black/Blue w/PR	12.50" x 5.13" (318 mm x 130 mm)	4 psi @ 8 gpm (0.28 bar @ 30 Lpm)
150437	3/4" Valve-In-Head #10 Blue/Clear w/PR	12.88" x 5.25" (327 mm x 133 mm)	4 psi @ 8 gpm (0.28 bar @ 30 Lpm)
150329	3/4" Valve-In-Head #10 Black/Clear w/PR	12.88" x 5.25" (327 mm x 133 mm)	4 psi @ 8 gpm (0.28 bar @ 30 Lpm)
150166	3/4" Valve-In-Head #20 Black/Blue w/PR	22.88" x 5.13" (581 mm x 130 mm)	4 psi @ 8 gpm (0.28 bar @ 30 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150295	SW-2 Wrench for Standard
155003	Cartridge Coupler for Standard Cartridges
151120	Buna-N #241 O-ring for Standard
151117	Viton #241 O-ring for Standard
151118	Silicone #241 O-ring for Standard
151011	UB-1 Kit - Zinc Plated Bracket for Valve-In-Head (U-Shaped)
144012-00	UB-1 - Zinc Plated Bracket ONLY for Valve-In-Head (U-Shaped)

## PENTEK 3G STANDARD SERIES FILTER HOUSINGS

VERSATILE DESIGN ACCEPTS MULTIPLE CARTRIDGE SIZES IN A VARIETY OF APPLICATION SETTINGS



\*Shown with differential gauge.  
Gauges sold separately.

**Pentair Pentek 3G Standard Series Housings feature integral brackets, 20" clear housings, and caps for differential pressure gauges. They accept standard double open end (DOE) and our O-ring sealing cartridges. The O-ring design offers enhanced cartridge sealing for critical cartridge applications.**

**3G Standard Filter Housings are manufactured from durable polypropylene or clear Styrene-Acrylonitrile (SAN). Reinforced polypropylene housings have excellent chemical resistance and are ideal for many residential, commercial and industrial applications. Clear sumps are manufactured from Styrene-Acrylonitrile (SAN). They offer on-site examination of the cartridge and have excellent chemical compatibility.**

**All are equipped with 3/4" NPT inlet and outlet ports. 3G Standard Filter Housings are available in 10" and 20" lengths and will accommodate a wide range of 2-1/4" to 3-1/8" diameter cartridges.**

### FEATURES/BENEFITS

Integral bracket and mounting boss cap versions available

Available in 10" and 20" sumps in clear and opaque

Buttress threads and uniform walls for easier cartridge change and improved strength

Accepts double O-ring sealing cartridges as well as standard DOE cartridges

Optional pressure-relief/bleed button and differential pressure gauge

Leak-proof seal

### SPECIFICATIONS

Housing – Polypropylene (opaque) or Styrene Acrylonitrile (clear)

Cap – Reinforced Polypropylene

Button Assembly – 300 Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Temperature Rating – 40-125°F (4.4-51.7°C)

Maximum Pressure – 125 psi (8.6 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150542	3/4" #10 3G Standard Black/Blue Mounting Bracket Cap w/PR	12.75" x 5.38" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150546	3/4" #10 3G Standard Black/Blue Mounting Bracket Cap w/o PR	12.75" x 5.38" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150558	3/4" #10 3G Standard Blue/Clear Mounting Bracket Cap w/PR	12.75" x 5.38" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150587	3/4" #10 3G Standard Black/Clear Mounting Bracket Cap w/PR	12.75" x 5.38" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150550	3/4" #10 3G Standard Black/Blue Integral Bracket Cap w/PR	13.25" x 5.75" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150566	3/4" #10 3G Standard Blue/Clear Integral Bracket Cap w/PR	13.25" x 5.75" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150574	3/4" #10 3G Standard Black/Blue Integral Bracket Meter Mount Cap w/PR	13.25" x 5.75" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150544	3/4" #20 3G Standard Black/Blue Mounting Bracket Cap w/PR	23" x 5.38" (584 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150560	3/4" #20 3G Standard Blue/Clear Mounting Bracket Cap w/PR	23" x 5.38" (584 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150564	3/4" #20 3G Standard Blue/Clear Mounting Bracket Cap w/o PR	23" x 5.38" (584 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150552	3/4" #20 3G Standard Black/Blue Integral Bracket w/PR	23.50" x 5.75" (597 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)
150568	3/4" #20 3G Standard Blue/Clear Integral Bracket w/PR	23.50" x 5.75" (597 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
143549	3 Color Gauge for Meter Mount Cap
143550	2 Color Gauge for Meter Mount Cap
150295	SW-2 Wrench for Standard
155003	Cartridge Coupler for Standard Cartridges
151120	Buna-N #241 O-ring for Standard
151117	Viton #241 O-ring for Standard
151118	Silicone #241 O-ring for Standard
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



143549\*



143550\*

\*Gauges sold separately.

# PENTEK BIG BLUE HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



*Big Black not shown*

**Pentair Pentek Big Blue<sup>s</sup> and Big Black Heavy Duty Filter Housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications. Sumps are available in both 10" and 20" lengths.**

**The High-Flow Polypropylene (HFPP) cap is available with 3/4", 1" or 1-1/2" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the HFPP cap more rapidly.**

**Big Blue and Big Black Housings are compatible with a broad range of chemicals and are available with or without a pressure relief button. They accept a wide variety of 4-1/2" diameter cartridges.**

## FEATURES/BENEFITS

Large capacity housing suitable for high flow applications

Available in 10" and 20" lengths

Pressure relief/bleed on inlet side of cap

Accepts up to 4-1/2" diameter cartridges

## SPECIFICATIONS

Housing – Polypropylene

Cap – Polypropylene (HFPP)

Button Assembly – 300-Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

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

Maximum Pressure-  
10" : 100 psi (6.9 bar)  
20" : 90 psi (6.2 bar)



The 150233, 150234, 150235, 150236, 150237, 150238, 150239, 150240, 150467, 150468, 150469, and 150470 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150469*	3/4" #10 Big Blue Black/Blue HFPP w/PR	12.75" x 7.38" (324 x 187 mm)	2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm)
150470*	3/4" #10 Big Blue Black/Blue HFPP w/o PR	12.75" x 7.38" (324 x 187 mm)	2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm)
150467*	3/4" #20 Big Blue Black/Blue HFPP w/PR	23.04" x 7.38" (585 x 187 mm)	2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm)
150468*	3/4" #20 Big Blue Black/Blue HFPP w/o PR	23.04" x 7.38" (585 x 187 mm)	2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm)
158799*	3/4" #20 Big Blue Black/White HFPP w/PR	23.04" x 7.38" (585 x 187 mm)	2 psi @ 15 gpm ( 0.14 bar @ 57 Lpm)
150237*	1" #10 Big Blue Black/Blue HFPP w/PR	13.30" x 7.45" (338 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150238*	1" #10 Big Blue Black/Blue HFPP w/o PR	13.30" x 7.45" (338 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150233*	1" #20 Big Blue Black/Blue HFPP w/PR	23.22" x 7.45" (590 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150234*	1" #20 Big Blue Black/Blue HFPP w/o PR	23.22" x 7.45" (590 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150239*	1-1/2" #10 Big Blue Black/Blue HFPP w/PR	13.45" x 7.45" (342 x 189 mm)	1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm)
150240*	1-1/2" #10 Big Blue Black/Blue HFPP w/o PR	13.45" x 7.45" (342 x 189 mm)	1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm)
150235*	1-1/2" #20 Big Blue Black/Blue HFPP w/PR	23.74" x 7.45" (603 x 189 mm)	1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm)
150236*	1-1/2" #20 Big Blue Black/Blue HFPP w/o PR	23.74" x 7.45" (603 x 189 mm)	1 psi @ 20 gpm ( 0.07 bar @ 76 Lpm)
150671	1" #10 Big Blue Black/Black HFPP w/o PR	13.30" x 7.45" (338 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150426	1" #10 Big Blue Black/Black HFPP w/PR	13.30" x 7.45" (338 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150383	1" #20 Big Blue Black/Black HFPP w/PR	23.22" x 7.45" (590 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150672	1" #20 Big Blue Black/Black HFPP w/o PR	23.22" x 7.45" (590 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)
150639	1-1/2" #20 Big Blue Black/Black HFPP w/o PR	23.74" x 7.45" (603 x 189 mm)	1 psi @ 15 gpm ( 0.07 bar @ 57 Lpm)

\*NSF component listed

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150296	SW-3 Wrench for 10" Big Blue
144368	SW-4 Wrench for 20" Big Blue
SH144229	Cartridge Coupler for 4-1/2" Cartridges
151122	Buna-N O-ring for Big Blue
244718	WB-ZP - Zinc Plated Bracket ONLY
150061	WB-ZP Kit - Zinc Plated Bracket
357639	WB-SS - Stainless Steel Bracket ONLY
357640	WB-SS Kit - Stainless Steel Bracket
144928	WB-PC Kit - Powder Coated White Bracket
144258	Two-Housing Bracket
144259	Three-Housing Bracket
160210	Big Blue /Big White/Big Clear Skid, Fiberglass Hardware Kit (Assembly Required)

## PENTEK BIG BLUE WITH DRAIN FILTER HOUSINGS

FOR LARGE CAPACITY, HIGH FLOW APPLICATIONS



**Pentair Pentek Big Blue Filter Housing with drain offers the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra-large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow rate applications. Sumps are available in both 10" and 20" lengths.**

**The High Flow Polypropylene (HFPP) Cap is available in 3/4", 1", or 1 1/2" NPT inlet and outlet ports. All housings come complete with a 3/8" drain valve. The single large ACME thread closure ensures quick opening and positive sealing.**

### FEATURES/BENEFITS

Large capacity housing suitable for high flow applications

Available in 10" and 20" lengths

Comes complete with 3/8" drain and drain plug

Pressure relief/bleed on inlet side of cap  
Accepts up to 4 1/2" diameter cartridges

### SPECIFICATIONS

Housing – Polypropylene

Cap – Polypropylene (HFPP)

Button Assembly – 300-Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

Ball Valve - PVC/Buna-N Seals

Drain Plug - High Density Polypropylene

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

Maximum Pressure-  
10" : 100 psi (6.9 bar)  
20" : 90 psi (6.2 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150686	3/4" #10 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	15.79" x 7.38" (401 x 187 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
150689	3/4" #20 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	26.08" x 7.38" (662 x 187 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
150687	1" #10 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	16.34" x 7.45" (415 x 189 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
150690	1" #20 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	26.26" x 7.45" (667 x 189 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
150688	1-1/2" #10 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	16.49" x 7.45" (419 x 189 mm)	1 psi @ 20 gpm (0.07 bar @ 76 Lpm)
150691	1-1/2" #20 Big Blue HFPP w/PR and 3/8" Sump Drain Valve	26.78" x 7.45" (680 x 189 mm)	1 psi @ 20 gpm (0.07 bar @ 76 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
151039	Pressure Relief Button Kit
151122	Big Blue O-ring
153097	#20 Big Blue Sump with 3/8" NPT Drain
153098	#10 Big Blue Sump with 3/8" NPT Drain
154167	1-1/2" Black HFPP Cap w/PR for Big Blue
144357	3/8" FNPT x 3/8" NPT PVC Ball Valve
SH144362	3/8" Drain Plug HDPE
150370	Housing Stand

## PENTEK BIG WHITE HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



**Pentair Pentek Big White<sup>®</sup> Filter Housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications. Sumps are available in both 10" and 20" lengths.**

**The cap is available with 3/4", 1" or 1-1/2" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the cap more rapidly.**

**Big White Housings are compatible with a broad range of chemicals and are available with or without a pressure relief button. They accept a wide variety of 4-1/2" diameter cartridges.**

### FEATURES/BENEFITS

Large capacity housing suitable for high flow applications

Available in 10" and 20" lengths

Pressure relief/bleed on inlet side of cap

Accepts up to 4-1/2" diameter cartridges

### SPECIFICATIONS

Housing – Polypropylene

Cap – Polypropylene

Button Assembly – 300-Series stainless steel, EPDM, and polypropylene

O-Ring – Buna-N

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

Maximum Pressure-  
10": 100 psi (6.9 bar)  
20": 90 psi (6.2 bar)



**166081 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.**

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
166081*	3/4" #10 Big White White/White w/PR	13.19" x 7.28" (335 x 185 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
166229	3/4" #10 Big White White/White w/o PR	13.14" x 7.28" (333 x 185 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
166227	3/4" #20 Big White White/White w/o PR	23.23" x 7.28" (590 x 185 mm)	2 psi @ 15 gpm (0.14 bar @ 57 Lpm)
166083	1" #10 Big White White/White w/PR	13.19" x 7.28" (335 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166141	1" #20 Big White White/White w/o PR	23.24" x 7.28" (590 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166142	1" #20 Big White White/White w/PR	23.24" x 7.28" (590 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166144	1-1/2" #20 Big White White/White w/PR	23.68" x 7.28" (601 x 185 mm)	1 psi @ 20 gpm (0.07 bar @ 76 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

\*NSF component listed

## ACCESSORIES

PART #	DESCRIPTION
SH144880	BW/BC Wrench for Big Clear and Big White
SH144229	Cartridge Coupler for 4-1/2" Cartridges
151254	Buna-N Gasket for 10" Big Clear and Big White
244718	WB-ZP - Zinc Plated Bracket ONLY
150061	WB-ZP Kit - Zinc Plated Bracket
357639	WB-SS - Stainless Steel Bracket ONLY
357640	WB-SS Kit - Stainless Steel Bracket
144928	WB-PC Kit - Powder Coated White Bracket
144258	Two-Housing Bracket
144259	Three-Housing Bracket
160210	Big Blue /Big White/Big Clear Skid, Fiberglass Hardware Kit (Assembly Required)

## PENTEK BIG WHITE WITH BYPASS FILTER HOUSINGS



**Pentair Pentek Big White Filter Housings with Bypass offer caps that include a built-in bypass valve for easy cartridge change-outs, eliminating the need to shut off the water supply. You can easily switch from filter position to bypass by turning the large control knob a half turn. The High Flow Polypropylene (HFPP) cap is available in 1" NPT inlet and outlet ports. These housings have the versatility to meet all of your large capacity filtration needs, including high-flow and heavy sediment applications.**

**The extra-large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow applications. Sumps are available in both 10" and 20" lengths.**

### FEATURES/BENEFITS

1/2 turn valve allows you to go from filtered to non-filtered water	10" and 20" Big White housings with bypass on cap
Large capacity housing suitable for high flow applications	Available with 1" NPT Pressure relief button on cap

### SPECIFICATIONS

Housing – Polypropylene	Temperature Rating- 40-100°F (4.4-37.8°C)
Cap – Polypropylene (HFPP)	
O-Ring – Buna-N	Maximum Pressure- 10" : 100 psi (6.9 bar) 20" : 90 psi (6.2 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
655106	1" #10 BB WH/WH w/bypass	16.61" x 7.16" (422 x 182 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
655107	1" #20 BB WH/WH w/bypass	26.90" x 7.16" (683 x 182 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150296	SW-3 Wrench for 10"
SH144368	SW-4 wrench for 20"
SH144229	Cartridge coupler for 4.5" cartridges
151122	Buna-N O-ring for Big White

# PENTEK BIG CLEAR HEAVY DUTY SERIES FILTER HOUSINGS

FOR LARGE-CAPACITY, HIGH FLOW APPLICATIONS



**Pentair Pentek Big Clear Filter Housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications. Sumps are available in both 10" and 20" lengths.**

**The cap is available with 1" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the cap more rapidly.**

**Big Clear Filter Housings offer on-site examination of flow, performance, and cartridge life and are ideal for a variety of applications. The 1" polypropylene caps are available with a pressure-relief button on the inlet side to relieve pressure inside the housing and are available in 10" and 20" lengths.**

**Caps are constructed of reinforced polypropylene. The 10" sumps are made of Lexan and the 20" sumps are SAN (Styrene acrylonitrile).**

## FEATURES/BENEFITS

Large capacity housing suitable for high flow applications	Pressure relief/bleed on inlet side of cap
Available in 10" and 20" lengths	Accepts up to 4-1/2" diameter cartridges

## SPECIFICATIONS

Housing – Lexan (#10); SAN (#20)	Temperature Rating- 40-100°F (4.4-37.8°C)
Cap – Polypropylene	
Button Assembly – 300-Series stainless steel, EPDM, and polypropylene	Maximum Pressure- 10": 100 psi (6.9 bar) 20": 90 psi (6.2 bar)
O-Ring – Buna-N	

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
166219	1" #10 Big Clear (Lexan) Blue/Clear w/PR	13.30" x 7.28" (338 x 185 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
166201	1" #20 Big Clear (SAN) Blue/Clear w/PR	23.22" x 7.28" (590 x 185 mm)	1 psi @ 20 gpm (0.07 bar @ 76 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
SH144880	BW/BC Wrench for Big Clear and Big White
SH144229	Cartridge Coupler for 4-1/2" Cartridges
151362	Buna-N O-ring for 20" Big Clear
151254	Buna-N Gasket for 10" Big Clear and Big White
244718	WB-ZP - Zinc Plated Bracket ONLY
150061	WB-ZP Kit - Zinc Plated Bracket
357639	WB-SS - Stainless Steel Bracket ONLY
357640	WB-SS Kit - Stainless Steel Bracket
144928	WB-PC Kit - Powder Coated White Bracket
144258	Two-Housing Bracket
144259	Three-Housing Bracket
160210	Big Blue /Big White/Big Clear Skid, Fiberglass Hardware Kit (Assembly Required)

## PENTEK HIGH TEMPERATURE SERIES FILTER HOUSINGS

AN ECONOMICAL ALTERNATIVE TO STAINLESS AND CARBON STEEL HOUSINGS



**Constructed of glass-reinforced nylon, Pentair Pentek High Temperature Filter Housings are an economical alternative to stainless and carbon steel housings.**

**These 1/2" NPT housings can withstand temperatures up to a maximum of 160°F (71°C) while 3/4" housings can withstand temperatures up to 165°F (74°C). Excellent chemical compatibility makes High Temperature Housings an ideal choice for a wide variety of industrial applications including those involving organic solvents, sea water, alcohol, petroleum and vegetable oils. They should not be used with ketones.**

**Both 10" and 20" lengths are available to accommodate flow rates up to 20 gpm (76 Lpm).**

### FEATURES/BENEFITS

Ideal for a wide range of industrial applications

Excellent alternative to stainless and carbon housings

Available in 10" and 20" lengths

Durable glass-reinforced nylon construction

### SPECIFICATIONS

Housing – Glass-reinforced nylon

Cap – Glass-reinforced nylon

O-Ring –  
1/2" Housing: Viton  
3/4" Housing: Silicone

Temperature Rating –  
1/2" Housing: 40-160°F (4.4-71°C)  
3/4" Housing: 40-165°F (4.4-74°C)

Maximum Pressure –  
125 psi (8.6 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
158319	1/2" #10 Slim Line Black/Black High Temperature w/o PR	11.75" x 4.38" (298 x 111 mm)	<5 psi @ 8 gpm (<0.34 bar @ 30 Lpm)
150015	3/4" #10 Standard Red/Red High Temperature w/o PR	12.13" x 5.13" (308 x 130 mm)	<1 psi @ 8 gpm (<0.07 bar @ 30 Lpm)
150193	3/4" #10 Standard Black/Black High Temperature w/o PR	12.13" x 5.13" (308 x 130 mm)	<1 psi @ 8 gpm (<0.07 bar @ 30 Lpm)
150111	3/4" #20 Standard Red/Red High Temperature w/o PR	22.25" x 5.13" (565 x 130 mm)	<1 psi @ 8 gpm (<0.07 bar @ 30 Lpm)
150194	3/4" #20 Standard Black/Black High Temperature w/o PR	22.25" x 5.13" (565 x 130 mm)	<1 psi @ 8 gpm (<0.07 bar @ 30 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150539	SW-1A Wrench for Slim Line
150295	SW-2 Wrench for Standard
151011	UB-1 Kit - Zinc Plated Bracket for Valve-In-Head (U-Shaped)
244047	SL-ZP Kit - Zinc Plated Bracket for Slim Line
357638	SL-SS - Stainless Steel Bracket ONLY for Slim Line
357644	SL-SS Kit - Stainless Steel Bracket for Slim Line
244046-00	SL-ZP - Zinc Plated Bracket ONLY for Slim Line
244627-02	Two-Housing System Bracket

## 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

## PENTEK PBH SERIES BAG FILTER HOUSINGS

OUTSTANDING CHEMICAL COMPATIBILITY IDEAL FOR USE IN A VARIETY OF LOW-FLOW APPLICATIONS



PBH-420  
(shown with bag  
vessel stand, sold  
separately)

**Pentair Pentek Standard Bag Vessel Assemblies keep your system on stream longer by reducing bag filter change time. They are made of lightweight corrosion resistant polypropylene to give you all the strength you need without the weight.**

**Install as a duplex system for totally uninterrupted flow rates. All PBH Series Vessels come complete with gauge, wrench and 3/8" drain valve. The single large ACME thread closure ensures quick opening and positive sealing.**

**Filter bags are available in polypropylene felt, absolute-rated high efficiency polypropylene and nylon monofilament mesh—ideal for filtering and straining applications from 1-800 microns.**

**Molded from rugged reinforced polypropylene, Bag Vessel Filter Housings offer outstanding chemical compatibility and are ideal for use in a variety of low-flow applications. These applications include residential prefiltration, food service, along with commercial and industrial applications for water filtration and chemical filtration. They are equipped with a black reinforced polypropylene cap.**

### FEATURES/BENEFITS

Lightweight, corrosion resistant polypropylene construction gives you strength without weight

Choice of 10" and 20" housings

Available in 1" and 1-1/2" NPT sizes

Comes complete with gauge, wrench and 3/8" drain valve

Light enough to be portable

Economically priced

### SPECIFICATIONS

Housing – Polypropylene

Cap – Polypropylene (HFPP)

Gauge - Bismuth brass (lead-free)

Vent plug - Polypropylene

Drain plug - High density polypropylene

Ball valve – PVC/Buna-N seals

Basket - Polypropylene

O-Ring – Buna-N

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

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	PIPE SIZE	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
150360	PBH-410-1*	1" NPT	13.13" x 4.25" (334 x 108 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
150367	PBH-420-1**	1" NPT	23.38" x 7.25" (594 x 184 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
150338	PBH-410-1.5*	1½" NPT	13.63" x 4.25" (346 x 108 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)
150337	PBH-420-1.5**	1½" NPT	23.88" x 7.25" (607 x 184 mm)	1 psi @ 15 gpm (0.07 bar @ 57 Lpm)

\*Accepts a standard 4" x 8.25" (102 x 210 mm) bag. Dimensions allow for 1" (25 mm) overlap on basket.

\*\* Accepts a standard 4" x 18.25" (102 x 470 mm) bag. Dimensions allow for 1" (25 mm) overlap on basket.

NOTE: See spec sheet PN 247667 (10") and 247668 (20") for filter bag options. Many standard bags with rings may be used in these vessels. Refer to the Pentek bag filter spec sheet for 1-200 micron quick-install bags.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## ACCESSORIES

PART #	DESCRIPTION
150296	SW-3 Wrench for Big Blue for 10"
SH144368	SW-4 Wrench for Big Blue for 20"
151122	Big Blue O-Ring
150061	WB-ZP Kit - Zinc Plated Bracket for Big Blue
144928	WB-PC Kit - Powder Coated White Bracket for Big Blue
357639	WB-SS - Stainless Steel Bracket ONLY for Big Blue
357640	WB-SS Kit - Stainless Steel Bracket for Big Blue
150370	Housing Stand

## PENTEK BP-410, BPHE-410, BN-410 SERIES FILTER BAGS

SUPERIOR PERFORMANCE IN CORROSIVE FLUIDS WITH HIGH SOLIDS-LOADING CAPABILITY



**Pentair Pentek Polypropylene Filter Bags are compatible with a broad range of corrosive fluids including organic solvents, oils, acids, alkalis and micro-organisms.**

**BP-410 Series (Polypropylene Felt) Bags offer an assortment of filtration ratings from 1- to 200 microns to comply with any filtration requirement. The bags are manufactured from felt due to its high solids loading capabilities, in comparison to similar mesh fabrics. The media is created by needle-punching two layers of synthetic fibers together in a supporting scrim. A glazed finish, created by melting the outermost surface fibers, is used to produce a bond that reduces the possibility of migration.**

**BPHE-410 Series (High Efficiency) Bags are offered for those critical applications when high efficiency combined with high dirt holding capacity is required. Polypropylene materials are processed into microfibers with diameters of 1-10 microns or more. These fibers are converted into filter material. Microfiber media are covered with spun-bonded polypropylene.**

**BN-410 Series (Strainer) Bags produced with woven monofilament materials are offered in nylon with micron ratings of 50-800 and efficiencies from 75-95%. The materials are cleanable and reusable.**

### FEATURES/BENEFITS

Semi-rigid cylindrical design is easily crushed and incinerated

For use with Pentair Pentek PBH-410 Housing

Higher productivity – faster bag “change-outs”

Thermally welded unique design results in consistent filtration efficiencies

Nominal 1-800 micron ratings

### SPECIFICATIONS

Filter Media

**BP:** Glazed polypropylene felt

**BPHE:** Polypropylene microfibers

**BN:** Nylon monofilament mesh

Temperature Rating –  
40-200°F (4.4-93.3°C)\*

*\*See housing literature for specification information*

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	MICRON RATING (NOMINAL)*	CASE QUANTITY
155383-03	BP-410-1	4" x 8.63" (102 mm x 219 mm)	1	20
155358-03	BP-410-5	4" x 8.63" (102 mm x 219 mm)	5	20
155387-03	BP-410-10	4" x 8.63" (102 mm x 219 mm)	10	20
155389-03	BP-410-25	4" x 8.63" (102 mm x 219 mm)	25	20
155391-03	BP-410-50	4" x 8.63" (102 mm x 219 mm)	50	20
155393-03	BP-410-100	4" x 8.63" (102 mm x 219 mm)	100	20
155395-03	BP-410-200	4" x 8.63" (102 mm x 219 mm)	200	20
255001-03	BPHE-410-1	4" x 8.63" (102 mm x 219 mm)	1	20
255003-03	BPHE-410-5	4" x 8.63" (102 mm x 219 mm)	5	20
255005-03	BPHE-410-25	4" x 8.63" (102 mm x 219 mm)	25	20
255006-03	BPHE-410-50	4" x 8.63" (102 mm x 219 mm)	50	20
255254-03	BN-410-50	4" x 8.63" (102 mm x 219 mm)	50	20
255009-03	BN-410-100	4" x 8.63" (102 mm x 219 mm)	100	20
255011-03	BN-410-200	4" x 8.63" (102 mm x 219 mm)	200	20
255012-03	BN-410-250	4" x 8.63" (102 mm x 219 mm)	250	20
255013-03	BN-410-300	4" x 8.63" (102 mm x 219 mm)	300	20
255014-03	BN-410-400	4" x 8.63" (102 mm x 219 mm)	400	20
255015-03	BN-410-600	4" x 8.63" (102 mm x 219 mm)	600	20
255016-03	BN-410-800	4" x 8.63" (102 mm x 219 mm)	800	20

\*Based on manufacturer's internal testing.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

VISCOSITY (cps)											
50	100	200	400	800	1000	1500	2000	4000	6000	8000	10000
4.5	8.3	16.6	27.7	50.0	56.2	77.2	113.6	161.0	250.0	325.0	430.0
CORRECTION FACTOR											

## PENTEK BP-420, BPHE-420, BN-420 SERIES FILTER BAGS

SUPERIOR PERFORMANCE IN CORROSIVE FLUIDS WITH HIGH SOLIDS-LOADING CAPABILITY



BP-420

**Pentair Pentek Polypropylene Filter Bags are compatible with a broad range of corrosive fluids including organic solvents, oils, acids, alkalis and micro-organisms.**

**BP-420 (Polypropylene Felt) Bags offer an assortment of filtration ratings from 1-200 microns to comply with any filtration requirement. The bags are manufactured from felt due to its high solids loading capabilities, in comparison to similar mesh fabrics. The media is created by needle-punching two layers of synthetic fibers together in a supporting scrim. A glazed finish, created by melting the outermost surface fibers, is used to produce a bond that reduces the possibility of migration.**

**BPHE-420 Series (High Efficiency) Bags are offered for those critical applications when high efficiency combined with high dirt holding capacity is required. Polypropylene materials are processed into microfibers with diameters of 1-10 microns or more. These fibers are converted into filter material. Microfiber media are covered with spun-bonded polypropylene.**

**BN-420 Series (Strainer) Bags produced with woven monofilament materials are offered in nylon with micron ratings of 50-800 and efficiencies from 75-95%. The materials are cleanable and reusable.**

### FEATURES/BENEFITS

Semi-rigid cylindrical design is easily crushed and incinerated

For use with Pentair Pentek PBH-420 Housing

Higher productivity – faster bag “change-outs”

Thermally welded unique design results in consistent filtration efficiencies

Nominal 1-800 micron ratings

### SPECIFICATIONS

Filter Media

**BP:** Glazed polypropylene felt

**BPHE:** Polypropylene microfibers

**BN:** Nylon monofilament mesh

Temperature Rating–  
40-200°F (4.4-93.3°C)\*

*\*See housing literature for specification information*

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	MICRON RATING (NOMINAL)*	CASE QUANTITY
155384-03	BP-420-1	4" x 18" (102 mm x 457 mm)	1	20
155386-03	BP-420-5	4" x 18" (102 mm x 457 mm)	5	20
155388-03	BP-420-10	4" x 18" (102 mm x 457 mm)	10	20
155390-03	BP-420-25	4" x 18" (102 mm x 457 mm)	25	20
155392-03	BP-420-50	4" x 18" (102 mm x 457 mm)	50	20
155394-03	BP-420-100	4" x 18" (102 mm x 457 mm)	100	20
155396-03	BP-420-200	4" x 18" (102 mm x 457 mm)	200	20
255024-03	BPHE-420-1	4" x 18" (102 mm x 457 mm)	1	20
255026-03	BPHE-420-5	4" x 18" (102 mm x 457 mm)	5	20
255028-03	BPHE-420-25	4" x 18" (102 mm x 457 mm)	25	20
255029-03	BPHE-420-50	4" x 18" (102 mm x 457 mm)	50	20
255030-03	BPHE-420-75	4" x 18" (102 mm x 457 mm)	75	20
255031-03	BPHE-420-100	4" x 18" (102 mm x 457 mm)	100	20
255255-03	BN-420-50	4" x 18" (102 mm x 457 mm)	50	20
255032-03	BN-420-100	4" x 18" (102 mm x 457 mm)	100	20
255034-03	BN-420-200	4" x 18" (102 mm x 457 mm)	200	20
255035-03	BN-420-250	4" x 18" (102 mm x 457 mm)	250	20
255036-03	BN-420-300	4" x 18" (102 mm x 457 mm)	300	20
255037-03	BN-420-400	4" x 18" (102 mm x 457 mm)	400	20
255038-03	BN-420-600	4" x 18" (102 mm x 457 mm)	600	20
255039-03	BN-420-800	4" x 18" (102 mm x 457 mm)	800	20

\*Based on manufacturer's internal testing.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: This information is for general guidance. Users should test bag materials with media involved to determine compatibility.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

VISCOSITY (cps)											
50	100	200	400	800	1000	1500	2000	4000	6000	8000	10000
4.5	8.3	16.6	27.7	50.0	56.2	77.2	113.6	161.0	250.0	325.0	430.0
CORRECTION FACTOR											

# PENTEK ST-BC STAINLESS STEEL SERIES FILTER HOUSINGS

IDEAL FOR HIGH-TEMPERATURE APPLICATIONS REQUIRED FOR HEAVY DUTY FILTRATION NEEDS



**Pentair Pentek ST-BC Series Stainless Steel Filter Housings offer a variety of solutions for your large-scale, heavy duty filtration needs. Simple to install and maintain, these housings are ideal for schools, restaurants, farms, institutions and industrial use. Holding from 4 to 20 cartridges, ST-BC Series Housings provide flow rates from 28-125 gpm (106-473 Lpm).**

**Housings are constructed of 304 stainless steel with a gray-silver epoxy finish. They include drains on both the “clean” and “dirty” sides of the sump.**

**ST-BC Series Housings are compatible with a complete range of filter cartridges, adding to their versatility.**

## FEATURES/BENEFITS

Heavy duty units for large scale commercial/industrial applications

Ideal for high-temperature applications

Brushed 304 stainless steel construction with a gray-silver epoxy finish

Accepts complete range of standard double open end (DOE) cartridges

## SPECIFICATIONS

Housing – Brushed 304 stainless steel

Maximum Pressure – 125 psi (8.6 bar)

Exterior finish – Epoxy

Pipe Size – 2" NPT

Temperature Rating– 40-300°F (4.4-149°C)

Sealing Gasket – Buna-N

## SPECIFICATIONS AND PERFORMANCE

PART	DESCRIPTION	RECOMMENDED* FLOW RATES	DIMENSIONS HEIGHT X O.A. DIA	MAX. CARTRIDGE DIAMETER	MAXIMUM CARTRIDGES LENGTH
156025-02	ST-BC-4 (Holds 4-10" Cartridges)**	28 gpm (106 Lpm)	19.25" x 10" (489 mm x 254 mm)	3" (76 mm)	9.75" or 10" (248 mm or 254 mm)
156026-02	ST-BC-8 (Holds 8-10" or 4-20" Cartridges)**	56 gpm (212 Lpm)	29" x 10" (737 mm x 254 mm)	3" (76 mm)	9.75" or 10" (248 mm or 254 mm)
156027-02	ST-BC-12 (Holds 12-10" or 4-30" Cartridges)**	84 gpm (318 Lpm)	39.75" x 10" (1,010 mm x 254 mm)	3" (76 mm)	9.75" or 10" (248 mm or 254 mm)
156028-02	ST-BC-16 (Holds 16-10" or 4-40" Cartridges)**	110 gpm (416 Lpm)	49.75" x 10" (1,264 mm x 254 mm)	3" (76 mm)	9.75" or 10" (248 mm or 254 mm)
156032-02	ST-BC-20 (Holds 20-10" or 5-40" Cartridges)**	125 gpm (473 Lpm)	49.75" x 10" (1,264 mm x 254 mm)	2-1/2" (64 mm)	9.75" or 10" (248 mm or 254 mm)

\*Based on sediment removal with a 25-micron filter cartridge and 1 PSIG initial clean pressure drop.

\*\*Number of cartridges refers to the number of 9.75" (248 mm) or 10" (254 mm) cartridges which are configured around the housing times the number of cartridges that may be stacked.

NOTES: Maximum cartridge diameter 3" (76 mm). Not recommended for applications with TDS or Chlorides >1000 ppm and/or pH <5.0. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

WARNING: If pressure exceeds 125 psi (8.62 bar) at any time, a pressure regulator must be used. Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## ACCESSORIES

PART #	DESCRIPTION
143218	Gasket for STBC Series
243316	ST-BC Gasket, Silicone
243317	ST-BC Gasket, Teflon
243318	ST-BC Gasket, Viton
243319	ST-BC 1/4" Vent Plug
243320	ST-BC 1/2" Drain Plug
243321	ST-BC-4 Center Rod
243322	ST-BC-8 Center Rod
243323	ST-BC-12 Center Rod
243324	ST-BC-16 Center Rod
243325	ST-BC-20 Center Rod
143221	ST-BC /Cover Clamp
243326	ST-BC Head
243327	ST-BC Top Plate, 4-Stack
243328	ST-BC-20 Top Plate, 5-Stack
243329	ST-BC Top Plate Bushing
243330	ST-BC 3/8" Plate Knob 4-Stack
243331	ST-BC-20 1/2" Plate Knob
243332	ST-BC Top Plate Retaining Ring
243333	ST-BC T-bolt W/handle for Clamp
243334	ST-BC-4 Cartridge V-Post
243335	ST-BC 8 Cartridge V-Post
243336	ST-BC-12 & 16 Cartridge V-Post
243337	ST-BC-20 Cartridge V-Post

## PENTEK MPST-1.5 MULTI-PURPOSE STAINLESS STEEL FILTER HOUSING

IDEAL FOR HIGH TEMPERATURE AND HIGH PRESSURE APPLICATIONS



MPST-1.5

The Pentair Pentek MPST-1.5 Multi-Purpose Stainless Steel Filter Housing is designed to accept either a 4-1/2" x 20" double open end (DOE) cartridge or a Pentek #420 Bag Filter. The housing comes standard as a cartridge filter housing, but the optional bag filter kit quickly converts it to a bag filter housing.

The MPST-1.5 Housing is constructed of 304 Stainless Steel and powder-coated for a professional finish. This versatile housing is supplied with 1-1/2" side inlet and bottom outlet ports, adjustable legs, drainage port and multiple gauge ports to easily adapt to any installation.

Applications include high temperature (250°F), high pressure (150 psi), and flow rates up to 50 gpm. Ideal for reduction of sediment and chlorine taste in whole house or small business applications, these housings can also be used in most water treatment, food processing and general filtration applications.

### FEATURES/BENEFITS

Uses either 4-1/2" x 20" DOE cartridges or #420 bag filters

1-1/2" side inlet and 1-1/2" bottom outlet

Side drain plug for easy cleaning

Gauge ports for either cartridge or filter bag applications

Quickly changes from a cartridge housing to a bag housing

Ideal for high temperature and high pressure applications

Bottom outlet and adjustable leg stand allow for flexible application installations

Multiple gauge ports allow the use of differential pressure gauges to take the guesswork out of when to change the cartridge or bag

Snap band clamp minimizes down time for change-outs by allowing quick access to cartridge or bag filter

### SPECIFICATIONS

Housing – 304 Stainless Steel

Finish – Epoxy

Sealing Gasket – Buna-N

Temperature Rating - 40-250°F (4.4-121°C)

Maximum Pressure - 150 psi (10.3 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM FLOW RATE*	DIMENSIONS HEIGHT X O.A. DIA**	PIPE SIZE (NPT)
156237	MPST-1.5	50 gpm (189 L/min)	29" x 6.38" (737 mm x 162 mm)	1-1/2" (38.1 mm) ***

\*Flow rate listed for housing without cartridge. Check cartridge specifications for cartridge flow rates.

\*\*Height does not include stand.

\*\*\*Will not accept model GAC 20BB, BBF1-20BB, WS-20BB or CRFC-20BB cartridges.

## CARTRIDGE & BAG OPTIONS

PART #	MODEL #	MATERIAL	MICRON
<b>CARBON CARTRIDGES</b>			
155382-43	NCP-20BB	Pleated Carbon	10
155247-43	RFC20-BB	Granular Carbon	25
155783-43	EPM-20BB	Carbon Block	10
155583-43	EP-20BB	Carbon Block	5
155312-43	CBC20-BB	Carbon Block	0.5
155967-43	CRFC-20BB	Chloramine Carbon Block	25
<b>SPECIALTY CARTRIDGES</b>			
655139-03	OAC PLUS-20BB	Oil Adsorbing	-
<b>SEDIMENT CARTRIDGES</b>			
155360-43	DGD-2501-20	Polypropylene	25 - 1
155358-43	DGD-5005-20	Polypropylene	50 - 5
155356-43	DGD-7525-20	Polypropylene	75 - 25
255493-43	ECP1-20BB	Cellulose Polyester	1
255494-43	ECP5-20BB	Cellulose Polyester	5
255495-43	ECP20-20BB	Cellulose Polyester	20
255496-43	ECP50-20BB	Cellulose Polyester	50
155305-43	S1-20BB	Cellulose	20
<b>BAG CONVERSION KIT</b>			
243111	Bag filter conversion kit	Stainless steel	-

PART #	MODEL #	MATERIAL	MICRON
<b>FILTER BAGS</b>			
155384-03	BP-420-1	Polypropylene Felt	1
155386-03	BP-420-5	Polypropylene Felt	5
155388-03	BP-420-10	Polypropylene Felt	10
155390-03	BP-420-25	Polypropylene Felt	25
155392-03	BP-420-50	Polypropylene Felt	50
155394-03	BP-420-100	Polypropylene Felt	100
155396-03	BP-420-200	Polypropylene Felt	200
255024-03	BPHE-420-1	Polypropylene Felt	1
255026-03	BPHE-420-5	Polypropylene Felt	5
255028-03	BPHE-420-25	Polypropylene Felt	25
255029-03	BPHE-420-50	Polypropylene Felt	50
255031-03	BPHE-420-100	Polypropylene Felt	100
255255-03	BN-420-50	Polypropylene Felt	50
255032-03	BN-420-100	Polypropylene Felt	100
255034-03	BN-420-200	Polypropylene Felt	200
255035-03	BN-420-250	Polypropylene Felt	250
255037-03	BN-420-400	Polypropylene Felt	400
255038-03	BN-420-600	Polypropylene Felt	600
255039-03	BN-420-800	Polypropylene Felt	800

NOTE: Housing is sold as a cartridge filter housing for 4-1/2" x 20" cartridges. To convert the MPST to a Bag Filter, purchase the 243111 conversion kit. The bags can then be used in this housing.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

NOTES: Maximum cartridge diameter 4.75" (12 mm). Not recommended for applications with TDS or Chlorides >1000 ppm and/or <0.5. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

WARNING: If pressure exceeds 150 psi (10.34 bar) at any time, a pressure regulator must be used. Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK ST SERIES STAINLESS STEEL FILTER HOUSINGS

IDEAL FOR HOT WATER AND HIGH-PRESSURE APPLICATIONS



**Pentair Pentek ST Series Stainless Steel Filter Housings effectively provide heavy duty filtration for smaller filtration systems and point-of-use applications. Supplying flow rates of up to 20 gpm (76 Lpm), at a maximum water temperature of 300°F (149°C), ST Series Housings are ideal for hot water and high-pressure applications not suited for plastic housings.**

**The brushed 304 stainless steel sumps are available with either a pipe plug or petcock in the bottom for draining. Heads are manufactured from nickel-plated cast-brass.**

**ST Series Housings are easy to install and maintain. They are compatible with a complete range of filter cartridges, adding to their versatility.**

### FEATURES/BENEFITS

Heavy duty units for smaller filtration systems and point-of-use applications

Ideal for high-pressure/hot water applications

Brushed 304 Stainless Steel sump with a cast brass/nickel plated head

Accepts complete range of standard double open end (DOE) cartridges

### SPECIFICATIONS

Housing – Brushed 304 stainless steel

Pipe Size – 3/4" NPT

Head – Brass/nickel plated

Sealing Gaskets – Buna-N, Cellulose Fiber

Temperature Rating – 40-300°F (4.4-149°C)

Maximum Pressure – 250 psi (17.2 bar)

## SPECIFICATIONS AND PERFORMANCE

PART #	DESCRIPTION	MAXIMUM DIMENSIONS	FLOW RATE
156017-02	3/4" 10" ST-1 (10" Cartridges)	12.88" x 4.13" (327 x 105 mm)	10 gpm (38 Lpm)
156018-02	3/4" 20" ST-2 (20" Cartridges)	22.75" x 4.13" (578 x 105 mm)	15 gpm (57 Lpm)
156019-02	3/4" 30" ST-3 (30" Cartridges)	32.38" x 4.13" (823 x 105 mm)	20 gpm (76 Lpm)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

WARNING: For drinking water applications. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Maximum cartridge diameter 3" (76 mm). Will not accept GAC, CC, CGAC, TSGAC, WS, PCF or PCC Series Cartridges. Not recommended for applications with TDS of Chlorides >1000 ppm and/or pH <5.0. Use of this product in these conditions will void the limited warranty. Consult factory for product modifications for these conditions.

## ACCESSORIES

PART #	DESCRIPTION
144128	Wall Bracket for ST-1, ST-2, and ST-3
156037	Mounting Bracket Kit for ST-1, ST-2, and ST-3
143216	ST Gasket , BUNA-N
143220	ST Cap Nut
143339	Head Nut Gasket Kit for ST-1, ST-2, and ST-3
243301	ST Cap Nut Gasket, Silicone
243302	ST Cap Nut Gasket, Teflon
243303	ST Cap Nut Gasket, Viton
243304	ST Gasket, Silicone
243305	ST Gasket, Teflon
243306	ST Gasket, Viton
243308	ST Cap Nut W/ Tee Handle
243309	ST 3/4" NPT Cap - Nickel Plated
243310	ST 10" Housing Only
243311	ST 20" Housing Only
243312	ST 30" Housing Only
243313	ST 1/8" Drain Petcock
243314	ST 1/8" Drain Plug
243315	ST Centering Spring



# FILTERS

## PENTEK S1 SERIES PLEATED CELLULOSE CARTRIDGES

ECONOMICAL, GENERAL-PURPOSE FILTRATION FOR SEDIMENT

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**Pentair Pentek S1 Series Cartridges are manufactured from a pleated cellulose media and are designed for general water filtration purposes.**

**The media is pleated around a polypropylene core for added strength. The pleated endcaps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The Big Blue cartridges have a molded endcap with gaskets. The pleated ends are sealed to the endcap with a thermoplastic adhesive.**

**The overlap seam is sonically welded to reduce bypass, improving filtration efficiency.**

**S1 Series Cartridges are economically priced and highly effective at reducing sediment particles down to 20 microns in size.**

### FEATURES/BENEFITS

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Pleated design maximizes dirt holding capacity

Designed for general water filtration purposes

Recommended for chlorinated water supplies

Economically priced

Nominal 20 micron rating

Lengths: 10", 20"

### SPECIFICATIONS

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Filter Media – Resin-impregnated cellulose

Standard Endcaps – Vinyl plastisol

Big Blue Endcaps – Polypropylene

Core – Polypropylene

Temperature Rating – 40-145°F (4.4-62.8°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
S1	155001-43	2.63" x 9.75" (67 mm x 248 mm)	20 micron	2.4 psi @ 10 gpm (0.17 bar @ 38 Lpm)
S1-20	155303-43	2.63" x 20" (67 mm x 508 mm)	20 micron	0.8 psi @ 10 gpm (0.06 bar @ 38 Lpm)
S1-BB*	155405-43	4.50" x 9.75" (114 mm x 248 mm)	20 micron	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)
S1-20BB*	155305-43	4.50" x 20" (114 mm x 508 mm)	20 micron	1.2 psi @ 10 gpm (0.08 bar @ 38 Lpm)

\*S1-BB and S1-20BB are for use in 10" and 20" Pentek Big Blue Housings and BBFS Systems only.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK ECP SERIES PLEATED CELLULOSE POLYESTER CARTRIDGES

HIGHER WET STRENGTH THAN REGULAR CELLULOSE CARTRIDGES



**Pentair Pentek ECP Series Cartridges are manufactured from a special formulation of resin-impregnated cellulose and polyester fibers.**

**This unique blend of materials provides a higher wet strength than regular cellulose cartridges. It also provides high flow rates and dirt-holding capacity while maintaining extremely low pressure drop.**

**The media is pleated around a polypropylene core for added strength. The pleated endcaps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The Big Blue cartridges have a molded endcap with gaskets. The pleated ends are sealed to the endcap with a thermoplastic adhesive. The overlap seam is sonically welded to reduce internal bypass, improving filtration efficiency.**

**ECP Series Cartridge endcaps feature a color-coding system for easy identification of micron ratings: tan (1 micron), white (5 micron), blue (20 micron), and yellow (50 micron).**

**ECP Series Cartridges contain more media surface area than most competitive cartridges. The Standard 10" ECP cartridge contains 6 ft<sup>2</sup> of media while most cartridges contain only 4.5 ft<sup>2</sup>. Other available ECP cartridge sizes contain the following amount of media:**

- Standard 10" cartridge: 6 ft<sup>2</sup>
- Standard 20" cartridge: 12 ft<sup>2</sup>
- BB 10" cartridge: 18 ft<sup>2</sup>
- BB 20" cartridge: 36 ft<sup>2</sup>

### FEATURES/BENEFITS

Replaces Pentek CP and HFCP Series Cartridges

Special formulation of resin-impregnated cellulose and polyester fibers

Provides higher wet strength than regular cellulose cartridges

Minimal unloading and media migration

Nominal 1, 5, 20, 50 micron rating

Lengths: 10", 20"

### SPECIFICATIONS

Filter Media – Cellulose polyester

Standard Endcaps – Vinyl plastisol

Big Blue Endcaps – Polypropylene

Core – Polypropylene

Temperature Rating – 40-125°F (4.4-51.7°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	ENDCAP COLOR	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL (PSI) @ FLOW RATE (GPM)
ECP1-10	255481-43	Tan	2.63" x 9.75" (67 mm x 248 mm)	1 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-10	255482-43	White	2.63" x 9.75" (67 mm x 248 mm)	5 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-10	255483-43	Blue	2.63" x 9.75" (67 mm x 248 mm)	20 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-10	255484-43	Yellow	2.63" x 9.75" (67 mm x 248 mm)	50 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-20	255485-43	Tan	2.63" x 20" (67 mm x 508 mm)	1 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP5-20	255486-43	White	2.63" x 20" (67 mm x 508 mm)	5 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP20-20	255487-43	Blue	2.63" x 20" (67 mm x 508 mm)	20 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP50-20	255488-43	Yellow	2.63" x 20" (67 mm x 508 mm)	50 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
ECP1-BB	255489-43	Tan	4.5" x 9.75" (114 mm x 248 mm)	1 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-BB	255490-43	White	4.5" x 9.75" (114 mm x 248 mm)	5 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-BB	255491-43	Blue	4.5" x 9.75" (114 mm x 248 mm)	20 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-BB	255492-43	Yellow	4.5" x 9.75" (114 mm x 248 mm)	50 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP1-20BB	255493-43	Tan	4.5" x 20" (114 mm x 508 mm)	1 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP5-20BB	255494-43	White	4.5" x 20" (114 mm x 508 mm)	5 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP20-20BB	255495-43	Blue	4.5" x 20" (114 mm x 508 mm)	20 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
ECP50-20BB	255496-43	Yellow	4.5" x 20" (114 mm x 508 mm)	50 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK R SERIES PLEATED POLYESTER CARTRIDGES

VERSATILE, REUSABLE DESIGN WITH SUPERIOR DIRT HOLDING CAPACITY



**Pentair Pentek R Series Cartridges are manufactured from a durable, non-woven and reusable polyester fabric that is suitable for a wide range of filtration uses.**

**The media is pleated around a polypropylene core for added strength. The pleated endcaps of the standard cartridges are immersed in a thermo-setting vinyl plastisol. The Big Blue cartridges have a molded endcap with gaskets. The pleated ends are sealed to the endcap with a thermoplastic adhesive. The overlap seam is sonically welded to reduce internal bypass improving filtration efficiency.**

**The standard 9.75" length cartridge has more than four square feet of polyester fabric, while the larger Big Blue version has more than 16 square feet. The media is pleated to maximize dirt holding capacity and extend the time period between changes or cleaning.**

**R Series Cartridges are resistant to both bacteria and chemical attack making them suitable for a variety of residential, commercial and industrial applications.**

### FEATURES/BENEFITS

Pleated design maximizes dirt holding capacity

Versatile and reusable, allowing for a variety of uses

Durable polyester media is bacteria- and chemical-resistant

R30: Nominal 30 micron rating  
R50: Nominal 50 micron rating

Lengths: 4.88", 10", 20"

### SPECIFICATIONS

Filter Media – Non-woven polyester

Standard Endcaps – Vinyl plastisol

Big Blue Endcaps – Polypropylene

Core – Polypropylene

Temperature Rating –  
40-125°F (4.4-51.7°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING* (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
R30-478	155031-43	2.63" x 4.88" (67 mm x 124 mm)	30 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R30	155017-43	2.63" x 9.75" (67 mm x 248 mm)	30 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R50	155038-43	2.63" x 9.75" (67 mm x 248 mm)	50 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R30-20	155416-43	2.63" x 20" (67 mm x 508 mm)	30 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R30-BB	155101-43	4.50" x 9.75" (114 mm x 248 mm)	30 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R50-BB	155053-43	4.50" x 9.75" (114 mm x 248 mm)	50 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
R30-20BB	155430-43	4.50" x 20" (114 mm x 508 mm)	30 micron	<1 psi @ 20 gpm (<0.07 bar @ 76 Lpm)

\*Based on manufacturer's internal testing.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK POLYDEPTH SERIES POLYPROPYLENE CARTRIDGES

MULTIPLE MICRON RATINGS FOR A WIDE VARIETY OF APPLICATIONS



**Pentair Pentek Polydepth<sup>®</sup> Filtration Cartridges are constructed of thermally bonded polypropylene microfibers to ensure high efficiency. The filter incorporates a rigid polypropylene center core for increased collapse strength and durability. This thermal bonded micro-fiber construction has minimal fiber release, consistent flow rate and superior filtration performance. It also is not brittle or prone to breakage problems like resin-bonded cartridges.**

**Unique micro-grooves provide added surface area. The Polydepth Cartridge will not impart taste, odor or color to the liquid being filtered, which makes it ideal for food and beverage applications. The recommended temperature limit of 40-175°F (4.4-79.4°C) allows it to be used in many hot water applications. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.**

**Available in different lengths from 9.75" up to 40". Unlike competitive cartridges, the longer lengths are not manufactured by gluing shorter cartridges together. They are continuous cartridges that cannot separate during use and do not sacrifice filtering surface area.**

### FEATURES/BENEFITS

Thermally bonded polypropylene micro-fiber construction for higher filtration efficiency

Consistent flow rate and superior filtration performance.

Will not impart taste, odor or color to water being filtered

Ideal for a wide variety of industrial filtration

Nominal 1, 5, 10, 25, 50 micron rating

Lengths: 10", 20", 30", 40"

### SPECIFICATIONS

Filter Media – Polypropylene

Temperature Rating –  
40-175°F (4.4-79.4°C)



PD-1-934, PD-5-934,  
PD-10-934, PD-25-934,  
PD-50-934, PD-1-20,  
PD-5-20, PD-10-20, PD-25-20  
and PD-50-20 are Tested and  
Certified by NSF International  
to NSF/ANSI Standard 42 for  
material requirements only.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING* (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
PD-1-934	155748-43	2.32" x 9.88" (59 mm x 251 mm)	1 micron	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-5-934	155749-43	2.32" x 9.88" (59 mm x 251 mm)	5 micron	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-10-934	155750-43	2.32" x 9.88" (59 mm x 251 mm)	10 micron	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-25-934	155751-43	2.32" x 9.88" (59 mm x 251 mm)	25 micron	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-50-934	155752-43	2.32" x 9.88" (59 mm x 251 mm)	50 micron	<2 psi @ 2 gpm (<0.14 bar @ 7.6 Lpm)
PD-1-20	155755-43	2.32" x 20" (59 mm x 508 mm)	1 micron	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-5-20	155756-43	2.32" x 20" (59 mm x 508 mm)	5 micron	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-10-20	155757-43	2.32" x 20" (59 mm x 508 mm)	10 micron	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-25-20	155758-43	2.32" x 20" (59 mm x 508 mm)	25 micron	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-50-20	155759-43	2.32" x 20" (59 mm x 508 mm)	50 micron	<2 psi @ 5 gpm (<0.14 bar @ 19 Lpm)
PD-1-30	155762-43	2.32" x 30" (59 mm x 762 mm)	1 micron	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-5-30	155763-43	2.32" x 30" (59 mm x 762 mm)	5 micron	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-10-30	155764-43	2.32" x 30" (59 mm x 762 mm)	10 micron	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-25-30	155765-43	2.32" x 30" (59 mm x 762 mm)	25 micron	<2 psi @ 7 gpm (<0.14 bar @ 26.5 Lpm)
PD-1-40	155769-43	2.32" x 40" (59 mm x 1016 mm)	1 micron	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)
PD-5-40	155770-43	2.32" x 40" (59 mm x 1016 mm)	5 micron	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)
PD-25-40	155772-43	2.32" x 40" (59 mm x 1016 mm)	25 micron	<2 psi @ 9 gpm (<0.14 bar @ 34 Lpm)

\*Not Performance Tested or Certified by NSF

## PENTEK P SERIES SPUN-BONDED POLYPROPYLENE CARTRIDGES

WIDE RANGE OF SIZES AND MICRON RATINGS



The Pentair Pentek P Series Cartridges are manufactured from pure 100% polypropylene fibers. The fibers have been carefully spun together to form a true gradient density from outer to inner surfaces.

P Series Cartridges are designed for purity; they will not impart taste, odor or color to the liquid being filtered when used within the recommended temperature limit. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.

The coreless strength of the cartridges is achieved by sintering the many fibers into a solid matrix.

P Series Cartridges are available in a wide array of sizes and micron ratings to accommodate all of your filtration needs.

### FEATURES/BENEFITS

Manufactured from pure 100% polypropylene

Designed for purity and chemical compatibility

Spun fibers form a true gradient density from outer to inner surfaces

Nominal 1, 5, 25 micron rating

Lengths: 4.88", 10", 20", 30, 40"

### SPECIFICATIONS

Filter Media – Polypropylene fibers

Temperature Rating –  
40–145°F (4.4–62.8°C)



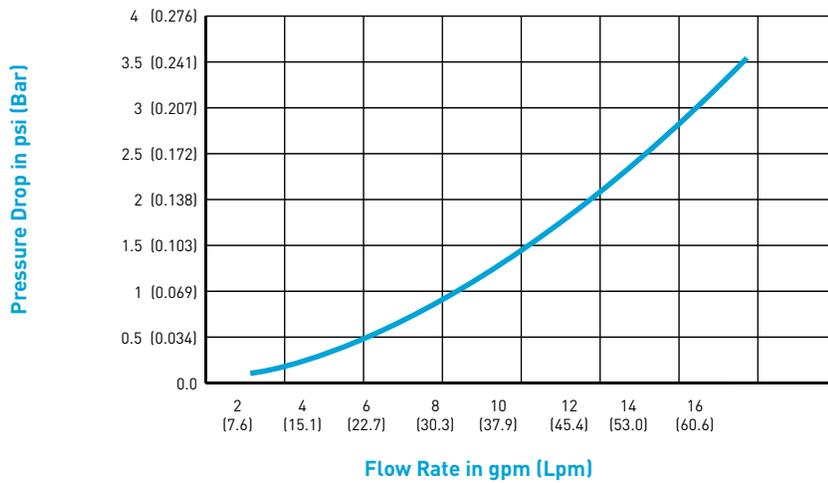
The P1, P5, P1-20 and P5-20 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
	155030-43	2.38" x 4.88" (60.5 mm x 124 mm)	5 micron	0.3 psi @ 2 gpm (<0.02 bar @ 7.6 Lpm)
P1	155225-43	2.38" x 9.88" (60.5 mm x 251 mm)	1 micron	0.6 psi @ 5 gpm (<0.04 bar @ 18.9 Lpm)
P5	155014-43	2.38" x 9.88" (60.5 mm x 251 mm)	5 micron	0.2 psi @ 5 gpm (<0.01 bar @ 18.9 Lpm)
P25	155015-43	2.38" x 9.88" (60.5 mm x 251 mm)	25 micron	0.2 psi @ 5 gpm (<0.01 bar @ 18.9 Lpm)
P1-20	155304-43	2.38" x 20" (60.5 mm x 508 mm)	1 micron	0.6 psi @ 10 gpm (<0.04 bar @ 37.9 Lpm)
P5-20	155016-43	2.38" x 20" (60.5 mm x 508 mm)	5 micron	0.6 psi @ 10 gpm (<0.04 bar @ 37.9 Lpm)
P25-20	155226-43	2.38" x 20" (60.5 mm x 508 mm)	25 micron	0.2 psi @ 10 gpm (<0.01 bar @ 37.9 Lpm)
P1-30	155227-43	2.38" x 30" (60.5 mm x 762 mm)	1 micron	0.5 psi @ 10 gpm (<0.03 bar @ 37.9 Lpm)
P5-30	155228-43	2.38" x 30" (60.5 mm x 762 mm)	5 micron	0.2 psi @ 10 gpm (<0.01 bar @ 37.9 Lpm)
P25-30	155224-43	2.38" x 30" (60.5 mm x 762 mm)	25 micron	0.2 psi @ 10 gpm (<0.01 bar @ 37.9 Lpm)
P5-40	155422-43	2.38" x 40" (60.5 mm x 1016 mm)	5 micron	0.2 psi @ 10 gpm (<0.01 bar @ 37.9 Lpm)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

**P1: Pressure Drop vs. Flow Rate**



# PENTEK DGD SERIES GRADIENT DENSITY CARTRIDGES

HIGH-CAPACITY, DIRT HOLDING DESIGN



**DGD Series Cartridges are manufactured from 100% pure polypropylene and are sized for use in Pentair Pentek Big Blue Filter Housings.**

**DGD Series Cartridges are designed for purity and will not impart taste, odor or color to the liquid being filtered. Additionally, the polypropylene construction provides superior chemical resistance and is not prone to bacterial attack.**

**The DGD Series' advanced design combines selective final filtration with appropriate pre-filtration to achieve up to three times the dirt holding capacity of similar size sediment cartridges and even greater capacity than standard spun or string-wound cartridges. The larger diameter of the filter reduces the particle load, allowing it to operate at higher velocities. The effective filter depth is increased to a full 233%. This increased depth provides very high particulate reduction efficiencies and added loading capacity.**

**The design and performance characteristics of the DGD Series Cartridges make them an excellent choice for all residential, rural, municipal and commercial applications.**

## FEATURES/BENEFITS

Manufactured from pure 100% polypropylene

Designed for purity and chemical compatibility

Spun fibers form a gradient density from outer to inner surfaces

Nominal 1, 5, 25 micron ratings  
Lengths: 10", 20"

## SPECIFICATIONS

Filter Media – Polypropylene

Temperature Rating – 40-145°F (4.4-62.8°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
DGD-2501	155359-43	4.50" x 9.88" (114 mm x 251 mm)	1 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-5005	155357-43	4.50" x 9.88" (114 mm x 251 mm)	5 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-7525	155355-43	4.50" x 9.88" (114 mm x 251 mm)	25 micron	<1 psi @ 10 gpm (<0.1 bar @ 38 Lpm)
DGD-2501-20	155360-43	4.50" x 20" (114 mm x 508 mm)	1 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
DGD-5005-20	155358-43	4.50" x 20" (114 mm x 508 mm)	5 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
DGD-7525-20	155356-43	4.50" x 20" (114 mm x 508 mm)	25 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)

\*Based on manufacturer's internal testing.

WARNING: Do not use with microbiologically unsafe or of unknown quality water without adequate disinfection before or after the system.

## PENTEK WP SERIES POLYPROPYLENE STRING-WOUND CARTRIDGES

REDUCES FINE SEDIMENT FOR A VARIETY OF FLUIDS



**Pentair Pentek WP Series Cartridges** are manufactured from a durable polypropylene string that is wound around a rigid polypropylene core. They are premium string wound solution to reduce fine sediment, including sand, silt, rust and scale particles.

**WP Series Cartridges** by Pentek are wound in a precise pattern around the core, providing greater surface area. The result is higher dirt loading capacity and greater efficiency than standard wound cartridges.

These string-wound cartridges are capable of withstanding temperatures up to 165°F (73.9°C), and will accommodate flow rates between 7 and 10 GPM with minimal pressure drop.

**WP Series Cartridges** are suitable for a wide variety of sediment filtration applications, including municipal and well water as well as many industrial fluids.

### FEATURES/BENEFITS

Wound with a precise pattern to provide a greater surface area

String-wound design reduces fine sediment from a variety of fluids

Nominal 5, 30 micron rating  
Lengths: 10"

### SPECIFICATIONS

Filter Media – Polypropylene fiber cord

Core – Polypropylene

Temperature Rating – 40-165°F (4.4-73.9°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL $\Delta P$ (PSI) @ FLOW RATE (GPM)
WP5	155071-43	2.25" x 9.88" (60 mm x 251 mm)	5 micron	<2.5 psi @ 10 gpm (<0.17 bar @ 38 Lpm)
WP30	155072-43	2.25" x 9.88" (60 mm x 251 mm)	30 micron	<1.4 psi @ 10 gpm (<0.17 bar @ 38 Lpm)

WARNING: Do not use with microbiologically unsafe or of unknown quality water without adequate disinfection before or after the system.

## PENTEK WP-BB SERIES POLYPROPYLENE STRING-WOUND CARTRIDGES

DESIGNED FOR A VARIETY OF APPLICATIONS REQUIRING SEDIMENT REDUCTION



**Pentair Pentek WP-BB Series Cartridges are manufactured in 10" and 20" lengths and in 4.5" diameters from a durable polypropylene string that is wound around a rigid polypropylene core. The WP-BB Cartridges are an economical solution to reduce fine sediment including rust, sand and scale particles.**

**The material in the WP-BB Cartridges is a fibrous polypropylene media wound in a precise pattern around a polypropylene core, providing greater surface area to maintain high flow rates. The WP-BB Cartridges are manufactured using an anti-static agent during the winding process to reduce the electrical charges produced during the winding process.**

**These string-wound cartridges are capable of withstanding temperatures up to 165°F (73.9°C), and will accommodate flow rates between 10 and 65 GPM with minimal pressure drop.**

**WP-BB Series Cartridges are suitable for a wide range of sediment applications including municipal and well water, and are chemical resistant so they can be used with many industrial fluids.**

**Note: The anti-static agent used in the WP-BB Cartridges may cause some foaming during start up of a new cartridge. If foaming is an application issue, we recommend using the WPX-BB Series.**

### FEATURES/BENEFITS

String-wound design reduces fine sediment from a variety of fluids

Economically priced

Lengths: 10", 20"

Also available in 0.5\*, 1, 5, 10 & 25 micron ratings

\*Not intended for the removal of microbial pests including viruses, bacteria and cysts.

### SPECIFICATIONS

Filter Media – fibrous polypropylene fiber cord

Temperature Rating – 40-165°F (4.4-73.9°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
WP5BB97P	355212-43	4.5" x 9.88" (114 mm x 251 mm)	0.5 micron	<5 psi @ 10 gpm (<0.3 bar @ 38 Lpm)
WP1BB97P	355213-43	4.5" x 9.88" (114 mm x 251 mm)	1 micron	<4 psi @ 15 gpm (<0.3 bar @ 57 Lpm)
WP5BB97P	355214-43	4.5" x 9.88" (114 mm x 251 mm)	5 micron	<3 psi @ 20 gpm (<0.2 bar @ 76 Lpm)
WP10BB97P	355215-43	4.5" x 9.88" (114 mm x 251 mm)	10 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
WP25BB97P	355216-43	4.5" x 9.88" (114 mm x 251 mm)	25 micron	<1 psi @ 20 gpm (<0.1 bar @ 76 Lpm)
WP1BB20P	355222-43	4.5" x 20" (114 mm x 508 mm)	1 micron	<6 psi @ 30 gpm (<0.4 bar @ 114 Lpm)
WP5BB20P	355223-43	4.5" x 20" (114 mm x 508 mm)	5 micron	<6 psi @ 40 gpm (<0.4 bar @ 151 Lpm)
WP25BB20P	355225-43	4.5" x 20" (114 mm x 508 mm)	25 micron	<5 psi @ 40 pm (<0.3 bar @ 151 Lpm)

\*Based on manufacturer's internal testing.

WARNING: Do not use with microbiologically unsafe or of unknown quality water without adequate disinfection before or after the system.

## PENTEK CW SERIES POLYPROPYLENE STRING-WOUND CARTRIDGES

REDUCES FINE SEDIMENT FOR A VARIETY OF FLUIDS



**Pentair Pentek CW Series Cartridges** are manufactured from a durable polypropylene cord that is wound around a rigid polypropylene core. They are an economical solution to reduce fine sediment, including sand, silt, rust and scale particles.

**CW Series Cartridges** are very economical and wound in a standard pattern around the core. They are available in 10, 30 and 50 micron ratings.

These string-wound cartridges are capable of withstanding temperatures up to 165°F (73.9°C), and will accommodate flow rates between 7 and 10 GPM with minimal pressure drop.

**CW Series Cartridges** are suitable for a wide variety of sediment filtration applications, including municipal and well water, as well as many industrial fluids.

### FEATURES/BENEFITS

String-wound design reduces fine sediment from a variety of fluids  
Economically priced

Nominal 5, 10, 30, 50 micron rating  
Length: 10"

### SPECIFICATIONS

Filter Media – Polypropylene fiber cord  
Core – Polypropylene

Temperature Rating – 40-165°F (4.4-73.9°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)
CW-F	155186-43	2.25" x 9.88" (60 mm x 251 mm)	10 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
CW-MF	155187-43	2.25" x 9.88" (60 mm x 251 mm)	30 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
CW-50	155214-43	2.25" x 9.88" (60 mm x 251 mm)	50 micron	<1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)
CW-5	155877-43	2.25" x 9.91" (60 mm x 252 mm)	5 micron	TBD

WARNING: Do not use with microbiologically unsafe or of unknown quality water without adequate disinfection before or after the system.

# PENTEK WPX-BB SERIES

## POLYPROPYLENE STRING-WOUND CARTRIDGES

DESIGNED FOR A VARIETY OF APPLICATIONS REQUIRING SEDIMENT REDUCTION



**Pentair Pentek WPX-BB Series Cartridges are manufactured in 10" and 20" lengths and in 4.5" diameters from a durable polypropylene string that is wound around a rigid polypropylene core. The WPX-BB Cartridges are an economical solution to reduce fine sediment including rust, sand and scale particles.**

**The material in the WPX-BB Cartridges is a fibrillated polypropylene media wound in a precise pattern around a polypropylene core, providing greater surface area to maintaining high flow rates. The WPX-BB Cartridges are manufactured without any anti-static agent.**

**These string-wound cartridges are capable of withstanding temperatures up to 165°F (73.9°C), and will accommodate flow rates between 10 and 65 GPM with minimal pressure drop.**

**WPX-BB Series Cartridges are suitable for a wide range of sediment applications including municipal and well water, and are bacteria and chemical resistant so they can be used with many industrial fluids. WPX-BB Cartridges are recommended when foaming is an application issue.**

### FEATURES/BENEFITS

String-wound design reduces fine sediment from a variety of fluids  
Bacteria and chemical resistant

Economically priced  
Nominal 5, 10, 25, 50, 100 micron rating  
Lengths: 10", 20"

### SPECIFICATIONS

Filter Media – fibrillated polypropylene fiber cord

Temperature Rating – 40-165°F (4.4-73.9°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
WPX5BB97P	355217-43	4.5" x 9.88" (114 mm x 251 mm)	5 micron	<16 psi @ 10 gpm (<1.1 bar @ 38 Lpm)
WPX10BB97P	355218-43	4.5" x 9.88" (114 mm x 251 mm)	10 micron	<12 psi @ 15 gpm (<0.8 bar @ 57 Lpm)
WPX25BB97P	355219-43	4.5" x 9.88" (114 mm x 251 mm)	25 micron	<10 psi @ 20 gpm (<0.7 bar @ 76 Lpm)
WPX50BB97P	355220-43	4.5" x 9.88" (114 mm x 251 mm)	50 micron	<8 psi @ 30 gpm (<0.6 bar @ 114 Lpm)
WPX100BB97P	355221-43	4.5" x 9.88" (114 mm x 251 mm)	100 micron	<8 psi @ 40 gpm (<0.6 bar @ 151 Lpm)
WPX100BB20P	355226-43	4.5" x 20" (114 mm x 508 mm)	100 micron	<8 psi @ 65 gpm (<0.6 bar @ 246 Lpm)

\*Based on manufacturer's internal testing.

**WARNING:** Do not use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.

## PENTEK DFX SERIES DIAMOND FLOW CARTRIDGES

THE GREATEST COMBINATION IN WATER SINCE  $H_2 + O$

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**DFX Series Diamond Flow cartridges are a unique, premium cartridge that utilizes several of the Pentair core competencies by merging technologies into one cartridge in order to bring customers a quality product. Diamond Flow Series cartridges offer the effective chlorine taste & odor reduction found in traditional Pentek carbon blocks, joined with the superior sediment reduction to resist premature plugging. These dual purpose cartridges are well-suited for a wide range of applications.**

### FEATURES/BENEFITS

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High dirt-holding capacity maximizes utilization of the carbon block\*

Chlorine taste & odor reduction combined with superior sediment reduction\*

Available in a 10-micron rating

Available in 10" & 20" lengths

Standard sizes fit most systems

Low pressure drop

New product design with Pentair branding

Twice as resistant to particulate plugging than standard carbon blocks†

### MATERIALS OF CONSTRUCTION

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Exterior Filter Media:  
Polypropylene Polyspun

Interior Filter Media:  
Carbon Block

Endcaps: Polypropylene

Gaskets: Buna-N

Temperature Rating: 40°-125°F

\*Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

PART NUMBER	MODEL	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE
655130-43	DFX-CB-10	2.89" x 9.840" (73.41 mm x 249.934 mm)	10 μ	1.0 psi @ 1.0 gpm (0.07 bar @ 3.8 Lpm)	2,500 gal @ 1.0 gpm (9,464 L @ 3.8 Lpm)
655148-43	DFX-CB-20	2.89" x 20.065" (73.41 mm x 509.651 mm)	10 μ	1.0 psi @ 2.0 gpm (0.07 bar @ 7.6 Lpm)	5,000 gal @ 2.0 gpm (18,927 L @ 7.6 Lpm)
655151-43	DFX-CB-BB	4.63" x 9.840" (117.60 mm x 249.935 mm)	10 μ	1.0 psi @ 2.0 gpm (0.07 bar @ 7.6 Lpm)	15,000 gal @ 2.0 gpm (56,781 L @ 7.6 Lpm)

## PENTEK C SERIES DUAL PURPOSE POWDER-ACTIVATED CARBON CARTRIDGES

AN ECONOMICAL SOLUTION FOR A WIDE RANGE OF RESIDENTIAL APPLICATIONS



**Pentair Pentek C Series Cartridges offer an economical solution for all your general-purpose water filtration needs. Constructed of a carbon impregnated cellulose media, these dual-purpose cartridges filter out fine sediment particles and reduce unwanted taste, odor, and chlorine taste & odor from your tap water.\* External netting provides additional strength and dirt-holding capacity. C Series Cartridges are available in a variety of sizes and are nominally rated at 5-microns.**

**These dual-purpose cartridges are well suited for a wide range of residential applications, and make excellent polishing filters when used in process or closed-loop streams.**

### FEATURES/BENEFITS

Available in three lengths and three diameters  
 Basic chlorine reduction at a very good economic value  
 Both chlorine and sediment reduction  
 High flow rates possible due to low initial pressure drop  
 Good dirt holding capacity

General purpose taste and odor reduction for residential chlorinated water supplies  
 Polishing filter for process or closed-loop streams

### SPECIFICATIONS

Filter Media – PAC impregnated cellulose  
 Endcaps – Vinyl plastisol

Netting – Polyethylene  
 Core – Polypropylene  
 Temperature Rating – 40-125°F (4.4-51.7°C)



The C1 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
C2	155022-43	2.5" x 4.88" (64 mm x 124 mm)	5 micron	2 psi @ 2 gpm (0.14 bar @ 7.6 Lpm)	>2,500 gallons @ 0.5 gpm* (>9,463 L @ 1.9 Lpm)
C1	155002-43	2.88" x 9.75" (73 mm x 248 mm)	5 micron	4 psi @ 5 gpm (0.28 bar @ 19 Lpm)	>5,000 gallons @ 1 gpm (>18,927 L @ 3.8 Lpm)*
CS1	155528-43	2.25" x 9.75" (57 mm x 248 mm)	5 micron	4 psi @ 5 gpm (0.28 bar @ 19 Lpm)	>3,000 gallons @ 1 gpm (>11,356 L @ 3.8 Lpm)*
C1-20	155597-43	2.5" x 20" (64 mm x 508 mm)	5 micron	1 psi @ 5 gpm (0.07 bar @ 19 Lpm)	>10,000 gallons @ 2 gpm* (>37,854 L @ 7.6 Lpm)
C1-20BB	155651-43	4.5" x 20" (114 mm x 508 mm)	5 micron	2 psi @ 4 gpm (0.14 bar @ 15 Lpm)	>40,000 gallons @ 4 gpm (151,417 L @ 15 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Increased flow rates may result in less effective chlorine reduction. Some harmless bacteria will attack cellulose media cartridges. If your cartridge seems to disintegrate or has a musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer. Estimated capacity tested at given flow rate using 2 ppm free available chlorine to 0.5 ppm breakthrough. WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK C8 SERIES DUAL PURPOSE POWDER-ACTIVATED CARBON CARTRIDGE

AN ECONOMICAL SOLUTION FOR A WIDE RANGE OF RESIDENTIAL APPLICATIONS



**The Pentair Pentek C8 Series Cartridge offers an economical solution for general purpose water filtration needs. Constructed of a carbon impregnated cellulose media, this dual-purpose cartridge filters chlorine taste & odor, bad taste & odor and sediment particles\*. The cartridge has a high dirt-holding capacity and can be used in a wide variety of applications.**

### FEATURES/BENEFITS

Nominal 1 micron rating  
Basic chlorine reduction at an economic value  
Both chlorine and sediment reduction

High flow rates possible due to low initial pressure drop  
Good dirt-holding capacity

### SPECIFICATIONS

Filter Media – PAC impregnated cellulose  
Endcaps – Polypropylene  
Outer Wrap - Polyolefin  
Netting – Polyethylene

Core – Polypropylene  
Reinforcement backing - Polyester  
Gasket - Buna-N  
Temperature Rating – 40-145°F (4.4-62.8°C)

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
C8	155220-43	2.63" x 9.75" (67 mm x 248 mm)	1 micron	5 psi @ 5 gpm (0.34 bar @ 19 Lpm)	>8,000 gallons @ 1 gpm* (>30,283 L @ 3.8 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Increased flow rates may result in less effective chlorine reduction. Some harmless bacteria will attack cellulose media cartridges. If your cartridge seems to disintegrate or has a musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer. Estimated capacity tested at given flow rate using 2 ppm free available chlorine to 0.5 ppm breakthrough. WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK NCP SERIES NON-CELLULOSE CARBON-IMPREGNATED PLEATED CARTRIDGES

SUPERIOR SEDIMENT FILTRATION AND CHLORINE TASTE & ODOR REDUCTION

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**Pentair Pentek NCP Series Cartridges are constructed from a carbon-impregnated non-cellulose media. They offer sediment filtration, as well as taste, odor and chlorine taste & odor reduction in one cartridge. Unlike cellulose cartridges, NCP Series Cartridges can be used for municipal and non-chlorinated water applications.**

**Pleats provide additional surface area for high dirt loading capacity, while maintaining minimal pressure drop. This combination of a pleated polyester media and carbon filtration produces an outstanding filter cartridge with extended service life.**

**NCP Series Cartridges are excellent polishing filters, closed loop streams and are ideal for post reverse osmosis and well water applications.**

### FEATURES/BENEFITS

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Non-cellulose media

Provides sediment filtration and chlorine taste & odor reduction

Pleated for maximum dirt loading capacity

Nominal 10 micron rating

### SPECIFICATIONS

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Filter Media – Pleated carbon-impregnated polyester

Standard Endcaps – Vinyl plastisol

Big Blue Endcaps – Polypropylene

Core – Polypropylene

Temperature Rating –  
40-125°F (4.4-51.7°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING* (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE
NCP-10	155367-43	2.50" x 9.75" (64 mm x 248 mm)	10 micron	2 psi @ 3 gpm (0.13 bar @ 11 Lpm)	225 gallons @ 1 gpm (850L @ 3.8 Lpm)
NCP-20	155397-43	2.50" x 20" (64 mm x 508 mm)	10 micron	2 psi @ 5 gpm (0.13 bar @ 19 Lpm)	450 gallons @ 2 gpm (1,700L @ 7.6 Lpm)
NCP-BB	155398-43	4.50" x 9.75" (114 mm x 248 mm)	10 micron	2 psi @ 8 gpm (0.13 bar @ 30 Lpm)	500 gallons @ 2 gpm (1,890L @ 7.6 Lpm)
NCP-20BB	155382-43	4.50" x 20" (114 mm x 508 mm)	10 micron	1 psi @ 10 gpm (<0.07 bar @ 38 Lpm)	1,000 gallons @ 4 gpm (3,780L @ 15 Lpm)

\*Filtration efficiency and chlorine taste & odor reduction efficiency are reduced at higher flow rates. Chlorine taste & odor reduction based on greater than 50% reduction using 2 ppm free chlorine feed concentration at 68°F (20°C) at continuous flow.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK GAC SERIES GRANULAR ACTIVATED CARBON CARTRIDGES

EFFECTIVE REDUCTION OF CHLORINE TASTE & ODOR



**Pentair Pentek GAC Series Cartridges effectively reduce unwanted tastes and odors, including chlorine taste & odor from your drinking water.\* They are designed to allow maximum contact between the water and carbon, ensuring optimal adsorption.**

**The construction of the cartridge allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge, while an internal expansion pad minimizes channeling or bypass. Before the water exits the cartridge, a post-filter helps reduce carbon fines and other suspended particles from the filtered water. The post-filter is permanently fastened to an innovative support basket ensuring that it is firmly secured and eliminating any potential for bypass.**

**GAC Series Cartridges are available in a variety of sizes and flow rates, and effectively provide good general-purpose drinking water filtration.**

### FEATURES/BENEFITS

Effective reduction of bad taste and odor, and chlorine taste & odor*	Available in a variety of sizes and flow rates
Designed for optimal adsorption	Micron rating - not rated
Post-filter to reduce carbon fines	

### SPECIFICATIONS

Filter Media – Granular activated carbon	Expansion Pad – Polypropylene
End Caps – Polystyrene	Gaskets – Top: Buna-N Bottom: Santoprene™
Post-Filter – Spun polypropylene	Temperature Rating – 40-125°F (4.4-51.7°C)
Outer Casing – Polystyrene	



The GAC-10 and GAC-20BB are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
GAC-5	155110-43	2.88" x 4.88" (73 mm x 124 mm)	3.0 psi @ 0.5 gpm (0.2 bar @ 1.9 Lpm)	250 gallons @ 0.5 gpm (900L @ 1.9 Lpm)
GAC-10	155109-43	2.88" x 9.75" (73 mm x 248 mm)	7.0 psi @ 1.0 gpm (0.5 bar @ 3.8 Lpm)	5,000 gallons @ 1.0 gpm (18,900L @ 3.8 Lpm)
GAC-20	155111-43	2.88" x 20" (73 mm x 508 mm)	16 psi @ 2.0 gpm (1.1 bar @ 7.6 Lpm)	10,000 gallons @ 2.0 gpm (37,800L @ 7.6 Lpm)
GAC-BB	155153-43	4.50" x 9.75" (114 mm x 248 mm)	4.0 psi @ 2.0 gpm (0.3 bar @ 7.6 Lpm)	12,500 gallons @ 2.0 gpm (47,000L @ 7.6 Lpm)
GAC-20BB	155249-43	4.50" x 20" (114 mm x 508 mm)	10.0 psi @ 4.0 gpm (0.7 bar @ 15 Lpm)	25,000 gallons @ 4.0 gpm (95,000L @ 15 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Chlorine reduction is estimated capacity using 2ppm free available chlorine (FAC) at continuous flow with greater than 75% reduction.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK SGAC

## SILVER-IMPREGNATED GRANULAR ACTIVATED CARBON CARTRIDGE

EFFECTIVELY REDUCES TASTE, ODOR AND CHLORINE



**The Pentair Pentek SGAC Cartridge contains silver-impregnated carbon treated to inhibit biofilm and microbial build-up in the filter that can decrease product life.**

**The construction of the SGAC Cartridge by Pentek allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge. An internal expansion pad minimizes channeling or bypass. This design allows for maximum contact between the water and carbon, ensuring maximum adsorption.**

**Before the water exits the cartridge, a 20-micron post-filter helps remove carbon fines and other suspended particles from the filtered water. The post-filter is permanently fastened to an innovative support basket, ensuring that it is firmly secured, and eliminates any potential for bypass.**

### FEATURES/BENEFITS

Effective taste, odor and chlorine reduction

Treated to inhibit biofilm and microbial build-up in the filter that can decrease product life

Designed for maximum adsorption

Post-filter to reduce carbon fines

### SPECIFICATIONS

Filter Media – Silver-impregnated granular activated carbon

Endcaps – Polystyrene

Post-Filter – Spun polypropylene

Outer Casing – Polystyrene

Expansion Pad – Polyester

Gasket – Buna-N (top); Santoprene (bottom)

Temperature Rating – 40-125°F (4.4-52°C)

EPA EST. NO. 082989-CHN-001

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)
155254-43	SGAC-10	2.88" x 9.75" (73 mm x 248 mm)	9 psi @ 2.5 gpm (0.62 bar @ 9.0 Lpm)	>1,500 gallons @ 1 gpm (5,678L @ 3.8 Lpm)
655102-43	SGAC-20	2.88" x 20" (73 mm x 508 mm)	16 psi @ 2 gpm (1.10 bar @ 8.5 Lpm)	3,000 gallons @ 2 gpm (11,356.2L @ 7.6 Lpm)

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK TSGAC SPECIALTY GRANULAR ACTIVATED CARBON/PHOSPHATE CARTRIDGE

EFFECTIVE AGAINST TASTE AND ODOR PROBLEMS, RUST STAINS AND SCALE DEPOSITS



TSGAC-10

**The Pentair Pentek TSGAC Cartridge contains granular activated carbon to effectively reduce unwanted taste and odor, and chlorine taste & odor, as well as phosphate crystals to reduce rust stains and scale deposits.\***

**The construction of the cartridge allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge. An internal expansion pad minimizes channeling or bypass. This design allows for maximum contact between the water and carbon, ensuring maximum adsorption.**

**Before the water exits the cartridge, a post-filter helps remove carbon fines and other suspended particles from the filtered water. The post-filter is permanently fastened to an innovative support basket ensuring that it is firmly secured and eliminating any potential for bypass.**

**Pentek TSGAC Cartridges provide superior performance and outstanding protection for your water lines, fixtures, major appliances and commercial equipment.**

### FEATURES/BENEFITS

Effective reduction of bad taste and odor, and chlorine taste & odor\*

Phosphate crystals reduce rust stains and scale deposits\*

Designed for maximum adsorption

Post-filter to reduce carbon fines

Micron rating - not rated

### SPECIFICATIONS

Filter Media –  
Granular activated carbon  
Hexametaphosphate crystals

Endcaps – Polystyrene

Post-Filter – Spun polypropylene

Outer Casing – Polystyrene

Expansion Pad – Polypropylene

Gaskets –  
Top: Buna-N  
Bottom: Santoprene™

Temperature Rating –  
40-125°F (4.4-51.7°C)



The TSGAC-10 is Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
TSGAC-10	155131-43	2.88" x 9.75" (73 mm x 248 mm)	2.5 psi @ 1.0 gpm (0.17 bar @ 3.8 Lpm)	>2,000 gallons @ 1 gpm (7570L @ 3.8 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK UDS/DBC SERIES

## GRANULAR ACTIVATED COCONUT SHELL CARTRIDGES

HIGH-CAPACITY, DIRT HOLDING DESIGN



**Pentair Pentek UDS & DBC Series Cartridges are enhanced with KDF media to inhibit scale buildup in the filter that can decrease product life. These cartridges are constructed of high performance granular activated coconut shell carbon and a 5-micron spun bonded polypropylene post sediment element for increased dirt holding capacity. They are effective for chlorine taste and odor reduction in high capacity situations and where lime and scale buildup problems occur.**

### FEATURES/BENEFITS

Bodies are constructed with high grade polypropylene or polystyrene

Spin and sonic welding assembly assures a uniform hermetic seal, which improves overall reliability

Cartridge volumes are some of the highest in the industry

Designed to fit almost all standard housings (UDS-10EX1) and Big Blue housings (DBC-10EX2)

Great for reverse osmosis, distillation, bottle-less coolers, and other water dispensing appliances

### SPECIFICATIONS

Filter Media –  
Coconut shell carbon

Temperature Rating –  
40-125°F (4.4-51.7°C)

Maximum Pressure-  
125 psi

EPA EST. NO. 082989-CHN-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
UDS-10EX1	255800-43	2.90" x 9.81" (74 mm x 249 mm)	5 micron	2.5 psi @ 1.0 gpm (0.17 bar @ 3.8 Lpm)
DBC-10EX2	255748-43	4.50" x 9.84" (114 mm x 250 mm)	5 micron	6 psi @ 2.0 gpm (0.41 bar @ 7.6 Lpm)

\*Based on manufacturer's internal testing.

WARNING: Do not use with microbiologically unsafe or of unknown quality water without adequate disinfection before or after the system.

## PENTEK RFC SERIES RADIAL FLOW CARBON CARTRIDGES

DESIGNED FOR HIGH-FLOW APPLICATIONS WITH THE BENEFIT OF REDUCING CARBON FINES



**Pentair Pentek RFC Series Cartridges are constructed with a 70-micron porous polyethylene outer shell and durable polypropylene endcaps. The 2-3/4" outer diameter cartridges have a polypropylene core and the 4-1/2" outer diameter cartridges incorporate a spun polypropylene core. Sandwiched between the outer shell and the core is a bed of granular activated carbon (GAC).**

**The unique radial flow design offers the benefits of granular activated carbon (GAC) filtration, such as low pressure drop, while at the same time significantly reducing the release of carbon fines commonly associated with GAC-style cartridges.**

**Pentek RFC Series Cartridges are available in a wide variety of sizes and are ideal for point-of-entry (POE) and other high flow rate applications.**

### FEATURES/BENEFITS

Provides effective chlorine taste & odor reduction\*

Unique design reduces carbon fines in filtered water

Pentek RFC Cartridges are ideal for point-of-entry (POE) and other high flow rate applications

Available in a wide variety of sizes

### SPECIFICATIONS

Filter Media – Granular activated carbon

Outer Shell – Polyethylene

Endcaps – Polypropylene

Gaskets – Buna-N

Core – Polypropylene

Temperature Rating – 40-125°F (4.4-51.7°C)



The RFC-BB and RFC20-BB are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
155063-43	RFC-93	2.88" x 9.75" (73 mm x 248 mm)	0.60 psi @ 1 gpm (0.04 bar @ 3.8 Lpm)	>5,000 gallons @ 1 gpm (18,927 L @ 3.8 Lpm)
155065-43	RFC-20	2.88" x 20" (73 mm x 508 mm)	0.60 psi @ 2 gpm (0.04 bar @ 7.6 Lpm)	>10,000 gallons @ 2 gpm (37,854 L @ 7.6 Lpm)
155141-43	RFC-BB	4.50" x 9.75" (114 mm x 248 mm)	0.90 psi @ 2 gpm (0.06 bar @ 7.6 Lpm)	>50,000 gallons @ 2 gpm (189,270 L @ 7.6 Lpm)
155247-43	RFC20-BB	4.50" x 20" (114 mm x 508 mm)	0.90 psi @ 4 gpm (0.06 bar @ 15.1 Lpm)	>100,000 gallons @ 4 gpm (378,541 L @ 15.2 Lpm)

\*Based on manufacturer's internal testing.

## PENTEK CC SERIES COCONUT SHELL GRANULAR ACTIVATED CARBON CARTRIDGES

EXCELLENT CHOICE TO REDUCE CHLORINE, ODOR AND CERTAIN VOCs FROM DRINKING WATER



**Pentair Pentek CC Series Granular Activated Carbon Cartridges are an excellent choice to reduce unwanted chlorine taste & odor, and certain VOCs from potable drinking water. Pentek CC Cartridges also reduce MTBE. They contain coconut shell-based activated carbon, which produces drinking water of exceptional taste and quality and provides better VOC reduction than standard GAC cartridges.\***

**The construction of the cartridges allows water to enter at one end and pass through the entire length of the carbon bed before exiting the other end of the cartridge, while an internal expansion pad minimizes channeling or bypass. Before the water exits the cartridge, a post-filter helps remove carbon fines and other suspended particles from the filtered water. The post-filter is permanently fastened to an innovative support basket ensuring that it is firmly secured, eliminating any potential for bypass.**

**Pentek CC Series Cartridges effectively provide good general purpose drinking water filtration.**

### FEATURES/BENEFITS

Effective reduction of bad taste and odor, and chlorine taste & odor\*

Greater VOC reduction than standard GAC cartridges\*

Post-filter to reduce carbon fines

Available in a variety of sizes and flow rates

Mircon rating - not rated

### SPECIFICATIONS

Filter Media – Granular activated carbon

Endcaps – Polystyrene

Post-Filter – Spun polypropylene

Outer Casing – Polystyrene

Expansion Pad – Polypropylene

Gaskets –

Top: Buna-N

Bottom: Santoprene

Temperature Rating – 40-125°F (4.4-51.7°C)



The Pentek CC-10 and CC-20 are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CC-10	155155-43	2.88" x 9.75" (73 mm x 248 mm)	4.5 psi @ 1 gpm (0.3 bar @ 3.8 Lpm)	7,500 gallons @ 1 gpm (28,400L @ 3.8 Lpm)
CC-20	155138-43	2.88" x 20" (73 mm x 508 mm)	4.5 psi @ 2 gpm (0.3 bar @ 7.6 Lpm)	15,000 gallons @ 2 gpm (56,700L @ 7.6 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK CBC SERIES CARBON BLOCK CARTRIDGES

TASTE, ODOR AND SEDIMENT REDUCTION IN A WIDE VARIETY OF APPLICATIONS



**Pentair Pentek CBC Series Cartridges are highly effective at reducing unwanted bad taste & odor and chlorine taste & odor from potable drinking water. CBC Series Cartridges are highly effective at reducing unwanted bad taste & odor, chlorine taste & odor and other contaminants.\***

**CBC Series Cartridges are an ideal choice for a wide range of residential, food service, commercial and industrial applications. They also make excellent polishing filters or pre-filters in applications requiring fine filtration and high capacity.**

### FEATURES/BENEFITS

Reduces particles as small as 0.5 micron in size by mechanical means\*

Reduces cysts such as Cryptosporidium and Giardia by mechanical means\*

Premium high capacity bad taste and odor, and chlorine taste & odor reduction\*

Enhanced dirt-holding capacity\*

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Inner/Outer Wrap – Polyolefin

Netting – Polyethylene

Gaskets – Santoprene

Temperature Rating –  
40-180°F (4.4-88.2°C)



The CBC-10, CBC-20, CBC-BB and CBC-20BB are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\*Based on manufacturer's internal testing.  
EPA EST. NO. 086074-WI-002  
EPA EST. NO. 082989-CHN-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CBC-5	155169-43	2.88" x 4.88" (73 mm x 124 mm)	0.5 micron	7 psi @ 1 gpm (0.48 bar @ 3.8 Lpm)	>3,000 gallons @ 1 gpm (11,356L @ 3.8 Lpm)
CBC-10	155162-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	<20 psi @ 1 gpm (<1.38 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (75,708L @ 3.8 Lpm)
CBC-20	155309-43	2.88" x 20" (73 mm x 508 mm)	0.5 micron	17 psi @ 2 gpm (1.17 bar @ 7.6 Lpm)	>45,000 gallons @ 2 gpm (170,343L @ 7.6 Lpm)
CBC-BB	155170-43	4.625" x 9.75" (118 mm x 248 mm)	0.5 micron	20 psi @ 2 gpm (1.37 bar @ 7.6 Lpm)	>50,000 gallons @ 2 gpm (189,270L @ 7.6 Lpm)
CBC20-BB	155312-43	4.625" x 20" (118 mm x 508 mm)	0.5 micron	19 psi @ 4 gpm (1.31 bar @ 15.1 Lpm)	>150,000 gallons @ 4 gpm (567,811L @ 15.2 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough. Cartridges are capable of reducing 99.95% of Cryptosporidium and Giardia cysts. Data obtained from actual particle counts using AC Fine Test Dust and Latex spheres.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK CBR2 SERIES CARBON BLOCK MULTI-MEDIA CARTRIDGES

POWDERED ACTIVATED CARBON WITH ADSORBENT MEDIA FOR LEAD AND MERCURY REDUCTION



CBR2-10

CBR2-10R

**Pentair Pentek CBR2-10 and CBR2-10R Cartridges are advanced multi-media cartridges designed to reduce chlorine taste & odor and other contaminants.**

**CBR2 Series Cartridges are manufactured using a powdered activated carbon (PAC) with a specially designed adsorbent media for lead and mercury reduction.**

**These cartridges are protected by a uniquely formulated polyolefin bilaminate prefilter, designed to significantly increase the useful life of the cartridge by trapping sediment that typically plugs carbon block cartridges.**

**As with our standard Pentek CBC Series Carbon Block, both the CBR2-10 and CBR2-10R are effective at reducing levels of chlorine taste & odor and other contaminants.\***

**The CBR2-10R has a built-in flow restrictor (0.6 gpm) to allow for maximum contact time.**

### FEATURES/BENEFITS

Reduces particles as small as 0.5 micron in size by mechanical means\*

Reduces cysts such as Cryptosporidium and Giardia by mechanical means\*

Lead and mercury reduction through 2,000 gallons\*

Premium high capacity chlorine taste & odor reduction exceeding 20,000 gallons\*

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Outer Wrap – Polyolefin

Netting – Polyethylene

Gaskets – Buna-N

Temperature Rating –  
40-165°F (4.4-74°C)



This CBR2-10 and CBR2-10R are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\*Based on manufacturer's internal testing  
EPA EST. NO. 082989-CHN-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*	CYST REDUCTION	LEAD & MERCURY REDUCTION
CBR2-10	155268-43	0.5 micron	15.0 psi @ 1 gpm (1.03 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (75,708 L @ 3.8 Lpm)	>99.95%	2,000 gallons @ 0.6 gpm (7,570 L @ 2.3 Lpm)
CBR2-10R	155403-43	0.5 micron	Flow restricted to 0.6 gpm (2.3 Lpm) with built-in Flow Restrictor	>20,000 gallons @ 0.6 gpm (75,708 L @ 2.3 Lpm)	>99.95%	2,000 gallons @ 0.6 gpm (7,570 L @ 2.3 Lpm)

\*Based on manufacturer's internal testing.

## PENTEK EP SERIES CARBON BLOCK CARTRIDGES

IDEAL CHOICES FOR A WIDE RANGE OF APPLICATIONS



The Pentair Pentek EP Series Carbon Block Cartridges are manufactured using a process that yields a cartridge with a nominal 5-micron filtration rating and high dirt-holding capacity. A high porosity design helps prevent the cartridge from plugging before its adsorption capacity is exhausted, maximizing the utilization of the carbon while maintaining low pressure drop.

These cartridges are protected by a uniquely formulated polyolefin bilaminar pre-filter, designed to significantly increase the useful life of the cartridge by trapping sediment that typically plugs carbon block cartridges.

EP Series Cartridges make an ideal choice for a wide range of residential, food service, commercial and industrial applications.

### FEATURES/BENEFITS

High dirt-holding capacity maximizes utilization of the carbon block*	Nominal 5-micron rating
Highly effective bad taste & odor and chlorine taste & odor reduction*	

### SPECIFICATIONS

Filter Media – Bonded PAC	Gaskets – Buna-N
Endcaps – Polypropylene	Temperature Rating – 40-180°F (4.4-82.2°C)
Outer Wrap – Polyolefin	
Netting – Polyethylene	



This EP-10, EP-20, EP-BB and EP-20BB are Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	RATING* (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE
255424-03	EP-5	2.89" x 4.965" (73 mm x 126 mm)	5 micron	1.3 psi @ 0.5 gpm (0.09 bar @ 1.89 Lpm)	>3,000 gallons @ 0.5 gpm (>11,356 L @ 1.89 Lpm)
155531-43	EP-10	2.89" x 9.75" (73 mm x 248 mm)	5 micron	1.7 psi @ 1.0 gpm (0.12 bar @ 3.8 Lpm)	>6,000 gallons @ 1.0 gpm (>22,712 L @ 3.8 Lpm)
155529-43	EP-20	2.89" x 20" (73 mm x 508 mm)	5 micron	1.7 psi @ 2.0 gpm (0.12 bar @ 7.6 Lpm)	>12,000 gallons @ 2.0 gpm (>45,425 L @ 7.6 Lpm)
155698-43	EP-30	2.89" x 30" (73 mm x 762 mm)	5 micron	2.4 psi @ 3.0 gpm (0.17 bar @ 11.4 Lpm)	>18,000 gallons @ 3.0 gpm (>68,137 L @ 11.4 Lpm)
155815-03	EP5-40	2.89" x 40" (73 mm x 1,016 mm)	5 micron	2.0 psi @ 4.0 gpm (0.14 bar @ 15.1 Lpm)	>24,000 gallons @ 4.0 gpm (>90,850 L @ 15.1 Lpm)
155548-43	EP-BB	4.63" x 9.75" (118 mm x 248 mm)	5 micron	2.0 psi @ 2.0 gpm (0.14 bar @ 7.6 Lpm)	>22,000 gallons @ 2.0 gpm (>83,279 L @ 7.6 Lpm)
155583-43	EP-20BB	4.63" x 20" (118 mm x 508 mm)	5 micron	2.0 psi @ 4.0 gpm (0.14 bar @ 15.1 Lpm)	>44,000 gallons @ 4.0 gpm (>166,558 L @ 15.1 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Data obtained from actual particle counts using AC Fine Test Dust and Latex spheres. Estimated capacity using 2 ppm free available chlorine (FAC) at continuous flow with greater than 90% reduction.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK EPM SERIES MODIFIED EPSILON CARBON BLOCK CARTRIDGES

ECONOMICALLY PRICED ODOR AND TASTE REDUCING FILTRATION



**Pentair Pentek EPM Series Cartridges are a modified version of our EP Series Cartridge. An economical price makes this cartridge suitable for taste, odor and chlorine taste & odor reduction, as well as sediment filtration.\***

**EPM Series Cartridges are manufactured using a process that yields a cartridge with a nominal 10 micron filtration rating, high porosity and chlorine taste & odor reduction. The high porosity design helps prevent the cartridge from plugging before its adsorption capability is exhausted, maximizing the utilization of the carbon while maintaining low pressure drop.**

**These cartridges are protected by an outer wrap designed to significantly increase the useful life of the cartridge by trapping sediment that typically plugs carbon block cartridges.**

### FEATURES/BENEFITS

Nominal 10 micron rating*	Bad taste and odor, and chlorine taste & odor reduction*
Enhanced dirt holding capacity for extended cartridge life*	Economically priced
Lowest pressure drop	

### SPECIFICATIONS

Filter Media – Bonded PAC	Netting – Polyethylene
Endcaps – Polypropylene	Gaskets – Buna-N
Outer Wrap – Polyolefin	Temperature Rating – 40-180°F (4.4-82.2°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
EPM-10	155634-43	2.89" x 9.840" (73.41 mm x 249.936 mm)	10 micron	0.4 psi @ 1.0 gpm (0.03 bar @ 3.8 Lpm)	>3,000 gallons @ 1 gpm (11,400L @ 3.8 Lpm)
EPM-20	155635-43	2.89" x 20.065" (73.41 mm x 509.651 mm)	10 micron	0.4 psi @ 2.0 gpm (0.03 bar @ 7.6 Lpm)	>6,000 gallons @ 2 gpm (22,700L @ 7.6 Lpm)
EPM-BB	155782-43	4.63" x 9.840" (117.60 mm x 249.936 mm)	10 micron	1.0 psi @ 2.0 gpm (0.07 bar @ 7.6 Lpm)	>15,000 gallons @ 2 gpm (56,750L @ 7.6 Lpm)
EPM-20BB	155783-43	4.63" x 20.065" (117.60 mm x 509.651 mm)	10 micron	1.0 psi @ 4.0 gpm (0.07 bar @ 15.1 Lpm)	>30,000 gallons @ 4 gpm (113,500L @ 15.1 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK CHLORPLUS SERIES CHLORAMINE REDUCTION CARTRIDGES

SUPERIOR CHLORINE AND CHLORAMINE REDUCTION



**Pentair Pentek ChlorPlus<sup>s</sup> carbon block cartridges help reduce sediment while providing greater chloramine performance capacities than granular carbon. They also significantly reduce the carbon fines found in many granular canisters.**

**The CRFC20-BB heavy duty radial flow cartridge measures 4.5" in diameter and 20" long, which is ideal for higher flow rate and capacity applications. This cartridge incorporates a 70-micron porous polypropylene outer shell and a spun polypropylene-wrapped core. The bed of granular activated carbon (GAC) between the outer shell and core creates a unique radial flow design which effectively removes chloramine, has a low pressure drop, and helps to reduce fines commonly seen in GAC-style cartridges.**

**All of these cartridges utilize advanced activated carbon technology which allows superior chloramine and chlorine reduction. The range of sizes and capacities offered makes them ideal for both point-of-entry (POE) and point-of-use (POU) applications.**

### FEATURES/BENEFITS

Superior chloramine and chlorine reduction	Ideal for POE or POU applications
Unique design reduces carbon fines in filtered water	Available in a variety of sizes

### SPECIFICATIONS

ChlorPlus	CRFC-BB/CRFC20-BB
Filter Media – Advanced bonded PAC	Filter Media – Advanced GAC
Endcaps – Polypropylene	Endcaps – Polypropylene
Inner Wrap/Core – Polyolefin	Inner Wrap/Core – Spun polypropylene
Outer Wrap/Shell - Polyolefin	Outer Wrap/Shell - Polyethylene
Netting – Polyethylene	Post Filter - Spun polypropylene
Gaskets – Santoprene	Gaskets – Santoprene
Temperature Rating – 40-125°F (4.4-51.7°C)	Temperature Rating – 40-125°F (4.4-51.7°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
ChlorPlus 10	255416-43	2.88" x 9.75" (73 mm x 248 mm)	1 micron	6 psi @ 1.0 gpm (0.41 bar @ 3.8 Lpm)
ChlorPlus 20	255417-43	2.88" x 20" (73 mm x 508 mm)	1 micron	6 psi @ 2 gpm (0.41 bar @ 7.6 Lpm)
ChlorPlus 10BB	355752-43	4.5" x 9.75" (114 mm x 248 mm)	1 micron	6 psi @ 2.0 gpm (0.41 bar @ 7.6 Lpm)
ChlorPlus 20BB	355753-43	4.5" x 20" (114 mm x 508 mm)	1 micron	6 psi @ 4.0 gpm (0.41 bar @ 15.2 Lpm)
CRFC-BB	355056-43	4.5" x 9.75" (114 mm x 248 mm)	25 micron	2.5 psi @ 2.5 gpm (0.17 bar @ 9.5 Lpm) <1 psi @ 1.5 gpm (<0.07 bar @ 5.7 Lpm)
CRFC20-BB	155967-43	4.5" x 20" (114 mm x 508 mm)	25 micron	2.5 psi @ 5 gpm (.17 bar @ 18.9 Lpm) <1 psi @ 2.5 gpm (<.07 bar @ 9.5 Lpm)

MODEL #	PART #	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*	CHLORAMINE REDUCTION @ FLOW RATE (GPM)*
ChlorPlus 10	255416-43	>50,000 gallons @ 1 gpm (>189,270L @ 3.8 Lpm)	2,500 gallons @ 0.5 gpm (9,463L @ 1.9 Lpm) 1,000 gallons @ 1.0 gpm (3,785L @ 3.8 Lpm)
ChlorPlus 20	255417-43	>100,000 gallons @ 2 gpm (>378,451L @ 7.6 Lpm)	5,000 gallons @ 1.0 gpm (18,927L @ 3.8 Lpm) 2,000 gallons @ 2.0 gpm (7,570L @ 7.6 Lpm)
ChlorPlus 10BB	355752-43	>250,000 gallons @ 2 gpm (>946,352L @ 7.6 Lpm)	3,500 gallons @ 2.0 gpm (13,249L @ 7.6 Lpm)
ChlorPlus 20BB	355753-43	>500,000 gallons @ 4 gpm (>1,892,706L @ 15.2 Lpm)	7,000 gallons @ 4.0 gpm (26,498L @ 15.2 Lpm)
CRFC-BB	355056-43	>100,000 gallons @ 2 gpm (>378,451L @ 7.6 Lpm)	12,000 gallons @ 1.5 gpm (45,424L @ 5.7 Lpm) 5,000 gallons @ 2.5 gpm (18,927L @ 9.5 Lpm)
CRFC20-BB	155967-43	>200,000 gallons @ 4 gpm (>757,082L @ 15.2 Lpm)	25,000 gallons @ 2.5 gpm (94,635L @ 9.5 Lpm) 10,000 gallons @ 5.0 gpm (37,854L @ 18.9 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Some harmless bacteria will attack cellulose media cartridges. If your cartridge seems to disintegrate or has a musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer. Estimated capacity tested at given flow rate using 2 ppm free available chlorine to 0.5 ppm breakthrough and 3 ppm chloramine to 0.5 ppm breakthrough. Increased flow rates may result in less effective chlorine reduction.

WARNING: For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK

## COCONUT-BASED CARBON BLOCK CARTRIDGES

LONG-LIFE CARTRIDGES DESIGNED FOR CHLORINE TASTE & ODOR REDUCTION



**Pentair Pentek Coconut-Based Carbon Block Cartridges are highly effective at reducing unwanted taste and odor, and chlorine taste & odor from potable drinking water, and they are equally effective at reducing fine sediment.\***

**Coconut Based Carbon Block Cartridges are made from a water-washed, coconut-carbon formulation. This process and media yield a cartridge with high chlorine taste & odor reduction capacity.**

**These cartridges are protected by an outer wrap designed to significantly increase the useful life of the cartridge by trapping sediment that typically plugs carbon block cartridges.**

**These cartridges are an ideal choice for a wide range of residential, food service, commercial and industrial applications. They also make excellent polishing filters or pre-filters in applications requiring fine filtration and high capacity.**

### FEATURES/BENEFITS

Water-washed coconut-carbon formulation*	Premium high capacity bad taste and odor, and chlorine taste & odor reduction*
Enhanced dirt-holding capacity*	

### SPECIFICATIONS

Filter Media – CCBC: Water-Washed Coconut Based Carbon CEP: Acid-Washed Coconut Based Carbon	Outer Wrap – Polyolefin Netting – Polyethylene Gaskets – Buna-N
Endcaps – Polypropylene	Temperature Rating – 40-125°F (4.4-51.7°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*	VOC REDUCTION
155713-43	CCBC-10	2.88" x 9.75" (73 mm x 248 mm)	1 micron	3.3 psi @ 1 gpm (0.23 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (75,700L @ 3.8 Lpm)	>800 gallons @ 0.6 gpm (3,028L @ 3.8 Lpm)
155714-43	CEP-10E	2.88" x 9.75" (73 mm x 248 mm)	5 micron	3.0 psi @ 1 gpm (0.2 bar @ 3.8 Lpm)	>4,000 gallons @ 1 gpm (15,142L @ 3.8 Lpm)	NA
155788-43	CEP-20E	2.88" x 20.00" (73 mm x 508 mm)	5 micron	3.0 psi @ 2 gpm (0.2 bar @ 7.6 Lpm)	>8,000 gallons @ 2 gpm (30,283L @ 7.6 Lpm)	NA

\*Based on manufacturer's internal testing.

NOTES: Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK SCBC-10 SERIES

### ANTIMICROBIAL CARBON BLOCK CARTRIDGE



**The Pentair Pentek SCBC-10 Antimicrobial Carbon Block Cartridges are treated to inhibit biofilm and microbial build-up in the filter that can decrease product life. The SCBC-10 Cartridge is highly effective at reducing unwanted taste & odor and chlorine taste & odor from potable drinking water.**

**This cartridge is protected by a pre-filter designed to significantly increase the useful life of the cartridges by trapping sediments that typically plug carbon block cartridges. It is the ideal choice for a wide range of residential, food service, commercial and industrial applications.**

#### FEATURES/BENEFITS

Treated to inhibit biofilm and microbial build-up in the filter that can decrease product life

Reduces particles as small as 0.5 micron in size by mechanical means\*

Reduces cysts such as Cryptosporidium and Giardia by mechanical means\*

Premium, high-capacity bad taste & odor and chlorine taste & odor reduction

Enhanced dirt holding capacity

#### SPECIFICATIONS

Filter media:  
Bonded PAC

Endcap:  
Polypropylene

Inner/Outer Wrap:  
Polyolefin

Netting:  
Polyethylene

Gaskets:  
Polyolefin

Temperature Rating:  
40-165°F (4.4-74°C)

Silver Content:  
0.05% by weight

\*Based on manufacturer's internal testing  
EPA EST. NO. 082989-CHN-001

## PERFORMANCE DATA

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE
SCBC-10	155350-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	12 psi @ 1gpm (0.83 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (75,708 L @ 3.8 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Capable of reducing 99.95% of Cryptosporidium and Giardia cysts. Data obtained from actual test dust and particle counts using Latex spheres.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK CFB SERIES MODIFIED MOLDED BLOCK CARTRIDGES

SEDIMENT FILTRATION AND CHLORINE TASTE & ODOR REDUCTION IN A SINGLE CARTRIDGE



Features Fibredyne technology

**Pentair Pentek CFB Series Cartridges provide the effective chlorine taste & odor reduction found in traditional carbon block media while offering excellent sediment reduction capabilities.\***

**CFB Series Cartridges are a modified molded block created by use of our proprietary Fibredyne<sup>®</sup> technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and a carbon block into a single cartridge. Fibredyne's carbon block technology also offers up to two times the chlorine taste & odor reduction and dirt holding capacity of traditional blocks.\* In addition, this technology will not release fines into the effluent stream due to a unique post-filtration layer that is fused to the carbon/fiber media blend.**

**CFB Series Cartridges are an ideal choice for a wide range of residential, food service, commercial and industrial applications.**

### FEATURES/BENEFITS

Nominal 10 micron rating\*

Excellent dirt holding capacity\*

High chlorine taste & odor and bad taste and odor reduction\*

Economic choice for high sediment applications leading to premature plugging

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Netting – Polyethylene

Gaskets – Santoprene

Temperature Rating –  
40-180°F (4.4-82.2°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CFB-10	255671-43	2.88" x 9.75" (73mm x 248mm)	10 micron	3.0 psi @ 1 gpm (0.20 bar @ 3.8 Lpm)	>5,000 gallons @ 1 gpm (>18,927 L @ 3.8 Lpm)
CFB-20	255672-43	2.88" x 20" (73mm x 508mm)	10 micron	3.0 psi @ 2 gpm (0.20 bar @ 7.6 Lpm)	>10,000 gallons @ 2 gpm (>37,854 L @ 7.6 Lpm)
CFB-30	255673-43	2.88" x 30" (73mm x 762mm)	10 micron	3.0 psi @ 3 gpm (0.20 bar @ 11.4 Lpm)	>15,000 gallons @ 3 gpm (>56,781 L @ 11.4 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK CFBC SERIES

## MODIFIED MOLDED CARBON BLOCK CARTRIDGES

SEDIMENT FILTRATION AND CHLORINE TASTE & ODOR REDUCTION IN A SINGLE CARTRIDGE



Features Fibredyne technology

**Pentair Pentek CFBC Series Cartridges offer the effective chlorine taste & odor reduction found in traditional carbon block media while providing superior sediment reduction with resistance to premature plugging. They are highly effective at reducing chlorine taste & odor, bad taste and odor, as well as other contaminants.\***

**CFBC Series products are modified molded blocks manufactured using our proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and a carbon block into a single cartridge.**

**Benefits of this technology include low pressure drop over the entire life of the cartridge and up to three times the chlorine taste & odor and dirt holding capacity of traditional carbon blocks.\* In addition, Fibredyne technology will not release fines into the effluent stream due to a unique post-filtration layer that is fused to the carbon/fiber media blend.**

**CFBC Series Cartridges are an ideal choice for a wide range of residential, food service, commercial and industrial applications.**

### FEATURES/BENEFITS

Reduces particles as small as 0.5 micron in size by mechanical means\*

Reduces cysts such as Cryptosporidium and Giardia by mechanical means\*

Premium dirt holding capacity\*

High chlorine taste & odor and bad taste and odor reduction\*

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Netting – Polyethylene

Gaskets – Santoprene

Temperature Rating – 40-180°F (4.4-82.2°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\*Based on manufacturer's internal testing  
EPA EST. NO. 086074-NH-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CFBC-10	255679-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	10.7 psi @ 1 gpm (0.74 bar @ 3.8 Lpm)	>20,000 gallons @ 1 gpm (75,708 L @ 3.8 Lpm)
CFBC-20	255680-43	2.88" x 20.00" (73 mm x 508 mm)	0.5 micron	10.7 psi @ 2 gpm (0.74 bar @ 7.6 Lpm)	>40,000 gallons @ 2 gpm (151,416L @ 7.6 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough. Giardia, Cryptosporidium, Entamoeba and Toxoplasma cyst claim based on tests showing greater than 99.95% reduction using NSF Standard 53 protocol.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK CFB-PLUS SERIES

## MODIFIED MOLDED BLOCK CARTRIDGES

SEDIMENT FILTRATION AND CHLORINE TASTE & ODOR REDUCTION IN A SINGLE CARTRIDGE



Features Fibredyne technology

**Pentair Pentek CFB-Plus Series Cartridges are an enhanced version of Pentek CFB Cartridges. They offer the same benefits with even greater chlorine taste & odor reduction and the highest sediment reduction found in a carbon cartridge.\***

**CFB-Plus Series products are modified molded blocks manufactured using our proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. The result is a single cartridge that combines the benefits of both a sediment filter and a carbon block into a single cartridge.**

**Fibredyne carbon block technology also offers up to two times the chlorine taste & odor reduction and dirt holding capacity of traditional blocks.\* In addition, this technology will not release fines into the effluent stream due to a unique post-filtration layer that is fused to the carbon/fiber media blend.**

**CFB-Plus Series Cartridges are an ideal choice for a wide range of residential, food service, commercial and industrial applications.**

### FEATURES/BENEFITS

Nominal 5-10 micron rating\*  
Premium dirt holding capacity\*

Premium chlorine taste & odor and bad taste and odor reduction\*

### SPECIFICATIONS

Filter Media – Bonded PAC  
Endcaps – Polypropylene  
Netting – Polyethylene

Gaskets – Santoprene  
Temperature Rating – 40-180°F (4.4-82.2°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\* Based on manufacturer's internal testing.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CFB-Plus10	255674-43	2.88" x 9.75" (73mm x 248mm)	5-10 micron	1.6 psi @ 1 gpm (0.11 bar @ 3.8 Lpm)	>10,000 gallons @ 1 gpm (>37,800 L @ 3.8 Lpm)
CFB-Plus20	255675-43	2.88" x 20" (73mm x 508mm)	5-10 micron	1.6 psi @ 2 gpm (0.11 bar @ 7.6 Lpm)	>20,000 gallons @ 2 gpm (>75,700 L @ 7.6 Lpm)
CFB-Plus30	255676-43	2.88" x 30" (73mm x 762mm)	5-10 micron	1.6 psi @ 3 gpm (0.11 bar @ 11.4 Lpm)	>30,000 gallons @ 3 gpm (>113,500 L @ 11.4 Lpm)
CFB-Plus10BB	255677-43	4.63" x 9.75" (118mm x 248mm)	5-10 micron	2.5 psi @ 2 gpm (0.17 bar @ 7.6 Lpm)	>25,000 gallons @ 2 gpm (>94,600 L @ 7.6 Lpm)
CFB-Plus20BB	255678-43	4.63" x 20" (118mm x 508mm)	5-10 micron	2.5 psi @ 4 gpm (0.17 bar @ 11.4 Lpm)	>50,000 gallons @ 4 gpm (>189,000 L @ 15.1 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

# PENTEK CFB-PB10 SERIES

## MODIFIED MOLDED BLOCK CARTRIDGE

SEDIMENT FILTRATION AND CHLORINE TASTE & ODOR REDUCTION IN A SINGLE CARTRIDGE



Features Fibredyne technology

The Pentair Pentek CFB-PB Cartridge is designed to reduce chlorine taste & odor, sediment and other substances.

CFB-PB Cartridges are modified molded block manufactured using our proprietary Fibredyne technology. This technology creates a unique filter media by attaching powdered activated carbon and lead adsorbent material onto a cellulose-free synthetic fiber matrix. This results in higher reduction efficiencies that resist plugging, offers longer life, and features the lowest pressure drop over the effective life of the cartridge of any available 0.5-micron filter cartridge.\*

Fibredyne carbon block technology also offers up to two times the chlorine taste & odor reduction and dirt holding capacity of traditional blocks.\* In addition, this technology will not release fines into the effluent stream due to a unique post-filtration layer that is fused to the carbon/fiber media blend.

The Pentek CFB-PB Cartridge is an ideal choice for a wide range of residential, food service, commercial and industrial applications.

### FEATURES/BENEFITS

Reduces particles as small as 0.5 micron in size by mechanical means\*

Reduces cysts such as Cryptosporidium and Giardia by mechanical means\*

Lead reduction through 2,000 gallons\*

Premium dirt holding capacity\*

High chlorine taste & odor and bad taste and odor reduction\*

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Netting – Polyethylene

Gaskets – Santoprene

Temperature Rating - 40-180°F (4.4-82.2°C)



Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

\*Based on manufacturer's internal testing.  
EPA EST. NO. 086074-NH-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR REDUCTION @ FLOW RATE (GPM)*
CFB-PB10	255681-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	8.1 psi @ 1 gpm (0.56 bar @ 3.8 Lpm)	>5,000 gallons @ 1 gpm (>18,927 L @ 3.8 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily. Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough. Giardia, Cryptosporidium, Entamoeba and Toxoplasma cyst claim based on test showing greater than 99.95% reduction using NSF Standard 53 protocol.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK FLOPLUS SERIES MODIFIED MOLDED CARBON BLOCK CARTRIDGES

IDEAL FOR APPLICATIONS WITH PRESSURE DROPS AND LOW FLOW



Features Fibredyne technology

**Pentair Pentek FloPlus<sup>®</sup> Cartridges utilize the benefit of small particle reduction at a flow rate comparable to a 10-micron rated cartridge.**

**This product boasts extremely low pressure drops and high flow rates – comparable to 10-micron (very open) carbon cartridges. Its efficiency is so high that very small particles can be removed to create cleaner, safer water.**

**These cartridges are ideal for applications where pressure drop and low flow have been chronic problems in the past, as well as whole house water treatment with the addition of small particle reduction. However, it will address the needs of any end user looking for a product that offers high flow, low pressure drop, infrequent cartridge changes and small particle reduction.**

### FEATURES/BENEFITS

Reduces particles as small as 0.5 micron in size by mechanical means\*

NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means\*

Premium dirt holding capacity\*

True depth filtration

High flow rates and low pressure drop similar to a nominal 10-micron cartridge

Maximum life – dirt holding ability of a 10-micron carbon block with the particulate efficiency of a 0.5-micron cartridge

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Netting – Polyethylene

Gaskets – Santoprene

Temperature Rating – 40-180°F (4.4-82.2°C)



NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia.

\*Based on manufacturer's internal testing.  
EPA EST. NO. 086074-NH-001

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	CHLORINE TASTE & ODOR @ FLOW RATE (GPM)
FloPlus-10	455903-43	2.88" x 9.75" (73 mm x 248 mm)	0.5 micron	2 psi @ 1 gpm (0.14 bar @ 3.8 Lpm)	>10,000 gallons @ 1 gpm (37,854 L @ 3.8 Lpm)
FloPlus-20	455904-43	2.88" x 20" (73 mm x 508 mm)	0.5 micron	2 psi @ 2 gpm (0.14 bar @ 7.6 Lpm)	>20,000 gallons @ 2 gpm (75,708 L @ 7.6 Lpm)
FloPlus-10BB	455905-43	4.63" x 9.75" (118 mm x 248 mm)	0.5 micron	4 psi @ 2 gpm (0.28 bar @ 7.6 Lpm)	>25,000 gallons @ 2 gpm (94,635 L @ 7.6 Lpm)
FloPlus-20BB	455906-43	4.63" x 20" (118 mm x 508 mm)	0.5 micron	4 psi @ 4 gpm (0.28 bar @ 15.2 Lpm)	>50,000 gallons @ 4 gpm (189,270 L @ 15.2 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration or certification for health-related substance reduction claims. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK ELPC STANDARD SERIES ELECTROPLATING CARTRIDGES

A UNIQUE BLOCK WITH TRUE DEPTH FILTRATION CAPABILITY



**Pentair Pentek ELPC Series Cartridges is a premium line of activated carbon filter cartridges specifically designed for electroplating solutions. They represent the best technology available in cartridge filtration for use in a wide range of electroplating applications.**

**The unique technology used to manufacture this product ensures that there is no bleeding of carbon fines into the plating bath. In addition, the carbon that is used is an ultra-clean, highly purified carbon to ensure that sulfur is not leached into the plating bath.**

**Pentek ELPC Series products have a 7-micron nominal rating with superior dirt-holding ability.**

**The fibrous physical structure created by our proprietary Fibredyne technology produces a unique block with true depth filtration capability which allows for maximum treatment with minimal pressure drop through the cartridge.**

### FEATURES/BENEFITS

Cellulose-free construction

Resistant to chemical breakdown in both acidic and alkaline solutions up to 180°F (82°C)

Integrated post-filtration layer to ensure that no carbon fines are bled into the plating bath

Endcap gaskets are permanently molded on to the endcaps to ease filter cartridge change-out

### SPECIFICATIONS

Filter Media – Bonded PAC

Endcaps – Polypropylene

Netting – Polypropylene

Gaskets - Santoprene

Temperature Rating – 40-180°F (4.4-82.2°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)	INITIAL (PSI) @ FLOW RATE (GPM)
ELPC-10*	255668-43	2.88" x 10" (73 mm x 254 mm)	7	3.4 psi @ 1 gpm (0.23 bar @ 3.8 Lpm)
ELPC-20	255669-43	2.88" x 20" (73 mm x 508 mm)	7	3.4 psi @ 2 gpm (0.23 bar @ 7.6 Lpm)
ELPC-30	255670-43	2.88" x 30" (73 mm x 762 mm)	7	3.4 psi @ 3 gpm (0.23 bar @ 11.4 Lpm)

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.

NOTE: Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water.

NOTE: Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2 ppm free available chlorine at 0.5 ppm breakthrough.

\* The ELPC-10 will not fit #10 Slim Line or #10 Standard housings.

## PENTEK CRE-1 CERAMIC CARTRIDGE

FINE CERAMIC MEDIA TRAPS IMPURITIES DOWN TO 1 MICRON IN DIAMETER



**The Pentair Pentek CRE-1 Cartridge\* is manufactured from a sintered ceramic filtration media. It is designed and tested for the reduction of small particles and is ideal for fine sediment filtration applications.**

**The fine ceramic media will effectively trap dirt, sediment and small particles down to 1 micron in diameter. A proper fit is ensured and water bypass is prevented through the use of a knife-edge seal.**

**Pentek CRE-1 Cartridges are easily cleaned with water and a damp cloth, sponge or stiff nylon brush. They can be cleaned several times until the diameter at the smallest point is 1-1/2" or the circumference is 4-3/4", extending cartridge life.**

### FEATURES/BENEFITS

Specially designed for small particle and fine sediment filtration applications

Nominal 1 micron rating

1/2" thick ceramic wall allows for many cleanings, extending cartridge life

Lengths: 10"

### SPECIFICATIONS

Filter Media – Sintered Ceramic

Endcaps – Thermoset Polymeric

Gaskets – Buna-N

Temperature Rating –  
40-125°F (4.4-51.7°C)

\*Not for residential sale in the state of California.

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (NOMINAL)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*
CRE-1	155159-43	1.88" x 9.75" (48 mm x 248 mm)	3-4 micron @ 99.95%	19 psi @ 1 gpm (1.3 bar @ 3.8 Lpm)

\*Based on manufacturer's internal testing.

NOTES: Performance depends on system design, flow rate, feed water quality and certain other application conditions. Certain states require system registration or certification prior to sale if health-related substance reduction claims are made. Not for residential sale in the state of California. Only a thin layer of ceramic is removed with each cleaning. It is not necessary to clean the cartridge until the original color is restored as water in some locations may stain or discolor the ceramic. Good hygiene and housekeeping practices should always be used when cleaning the CRE-1 cartridge.

HANDLE WITH CARE: Sharp blows, dropping or freezing can cause cracks in the ceramic. If the cartridge should be cracked or frozen, discard and replace it with a new cartridge.

WARNING: Do not use where water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system. Cartridge specifically designed for sediment filtration and the reduction of Giardia and Cryptosporidium cysts, not to kill or filter bacteria.

## PENTEK PCF SERIES MIXED BED DEIONIZATION CARTRIDGES

DESIGNED TO MEET THE REQUIREMENTS FOR DEIONIZED WATER IN MANY INDUSTRIES

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**Pentair Pentek PCF Series Filter Cartridges have been developed in response to the requirements for deionized water in many industries.**

**They are manufactured using resin that has been subjected to additional post-production steps to minimize the total organic carbon (TOC) level.**

**These high-capacity, semi-conductor-grade resin cartridges are ideal for use in pharmaceutical and medical laboratories, cosmetics, and circuit board printing applications.**

**PCF Series Cartridges are available in three sizes, flow rates and capacities. They are convenient and cost-effective for many applications where low levels of total organic carbon (TOC) and total dissolved solids (TDS) are required.**

### FEATURES/BENEFITS

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Designed for deionizing water up to 16 megohms

Three sizes and capacities

### SPECIFICATIONS

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Filter Media – Mixed bed DI resins

Endcaps – Polypropylene

Shell – Polypropylene

Pre-Filter – Polypropylene

Post-Filter – Polypropylene

Gaskets – Buna-N

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

## TYPICAL APPLICATIONS

Circuit board printing  
 Pharmaceutical use  
 Steam and humidification  
 Cosmetics  
 Steam processors  
 Humidification systems  
 Recirculating/cooling towers  
 Power generating equipment  
 Medical/laboratory use  
 Lasers  
 Jet water sprayers  
 Boiler make-up water

## PROPERTIES AND CHARACTERISTICS

### Function Structure

Cation – R-SO<sub>3</sub>-H<sup>+</sup>

Anion – AR-N(CH<sub>2</sub>)<sub>2</sub>(C<sub>2</sub>H<sub>2</sub>OH)+OH<sup>-</sup>

### Physical Form

Moist spherical bead

### Ionic Form

H/OH

### Percent Conversion

Hydrogen – 99% minimum

Hydroxide – 95% minimum

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	CAPACITY GRAINS (mg TDS as CaCO <sub>3</sub> )	INITIAL ΔP (PSI) @ FLOW RATE (GPM)	SUGGESTED FLOW RATE
PCF1-10MB	155273-43	2.67" x 9.75" (68 mm x 248 mm)	270 (17,500)	1.5 psi @ 0.25 gpm (0.10 bar @ 0.95 Lpm)	0.25 gpm (0.95 Lpm)
PCF1-20MB	155274-43	2.67" x 20" (68 mm x 508 mm)	600 (38,800)	3.4 psi @ 0.50 gpm (0.23 bar @ Lpm)	0.50 gpm (1.9 Lpm)
BBF1-20MB	155281-43	4.50" x 20" (114 mm x 508 mm)	1,850 (120,000)	1.1 psi @ 1.25 gpm (0.08 bar @ 4.7 Lpm)	1.25 gpm (4.7 Lpm)

NOTES: The above resin data is based on information by Pentair Residential Filtration. This data does not imply any warranty or performance guarantee. We recommend that the user determine performance by testing on their own processing equipment. We assume no liability or responsibility for patent infringement resulting from the use of this product.

CAUTION: Do not use cartridges on equipment that has an electric conductivity water level indicator.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK RFFE10-BB, RFFE20-BB RADIAL FLOW IRON REDUCTION CARTRIDGE

IMPROVES WATER TASTE AND PROVIDES PLUMBING PROTECTION



The Pentair Pentek RFFE10-BB and RFFE20-BB Filter Cartridges are designed to provide an easy and effective method of reducing dissolved iron from water, which greatly improves the taste.

This cartridge helps to eliminate the orange and brown stains often found in sinks, toilets, tubs and other plumbing fixtures. It also reduces the possibility of damage to pipes and water heaters and reduces up to 3 ppm dissolved iron.

It adds no harmful chemicals to the water, making it completely safe for drinking water applications.

The Pentek RFFE20-BB Cartridge is designed for use in the Pentek 20-inch Big Blue Filter Housing and should be installed on the main cold water line after the pressure tank or water meter. The RFFE10-BB Cartridge is designed for use in the Pentek 10-inch Big Blue Filter Housing. For best results, pre-sediment and post-carbon treatment is recommended.

### FEATURES/BENEFITS

Easily and effectively reduces up to 3 ppm of dissolved iron from water

Improves flavor and reduces the metallic taste caused by iron

Reduces the possibility of pipe and water heater damage

For use in Pentek 10- and 20-inch Big Blue filter housings

### RECOMMENDED OPERATING CONDITIONS

pH – >7.0

Silica – <100 ppm

Manganese – <1 ppm

Iron – <3 ppm

Iron Bacteria – None

Hydrogen Sulfide – None

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	RATING (NOMINAL)*
RFFE10-BB	655005-43	NR
RFFE20-BB	155263-43	NR

APPROXIMATE LIFE OF SYSTEM*				
IRON LEVEL IN WATER	TOTAL GALLONS WATER USED	250 GPD (FOUR PEOPLE)	125 GPD (TWO PEOPLE)	75 GPD (ONE PERSON)
3 ppm	26,000 gal	104 days	208 days	416 days
2 ppm	40,000 gal	160 days	320 days	640 days
1 ppm	80,000 gal	320 days	640 days	1,280 days
0.5 ppm	160,000 gal	640 days	1,280 days	N/A

\*Test results were obtained by using the Pentek RFFE20-BB in combination with an RFC20-BB Cartridge.

NOTES: Water conditions outside of the above specified limits may lead to a shortened filtration life. If you water contains iron bacteria, shock chlorination is recommended. Cartridges may contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove the fines before using the water. You should flush the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.

## PENTEK MICROGUARD SERIES MEMBRANE FILTER CARTRIDGE

IDEAL FOR POINT-OF-USE APPLICATIONS



**Pentair Pentek MicroGuard<sup>®</sup> Series membrane filters provide safer and cleaner drinking water without incorporating chemicals into the media or adding chemicals to the filtered water.**

**The MG-10MCB is uniquely designed with integral carbon block and sediment pre-filtration for the reduction of chlorine taste & odor and for providing extended life of the internal membrane element. This cartridge has 2.5 times greater filtration surface area than some anti-microbial carbon blocks, and operates at a higher flow rate with lower pressure drop. This makes the MG-10MCB ideal for Point-of-Use (POU) applications.**

**The MicroGuard cartridges do not require USEPA registration and their effectiveness is not susceptible to common substances normally found in some waters.**

### FEATURES/BENEFITS

Reduces particles as small as 0.15 micron in size by mechanical means

Membrane filtration provides 99.9999% reduction of bacteria and 99.9999% reduction of virus by mechanical means\*

Combined carbon block and sediment pre-filtration for extended life and chlorine taste & odor reduction

Utilizes highly asymmetric polyethersulfone membrane with proprietary hydrophilic formulation for immediate wetting and high flow

Double O-ring endcap seals for absolute sealing in Pentair Pentek 3G housings

No electrical power required  
Retains natural mineral content of water

### SPECIFICATIONS

Filter Media – Polyethersulfone

Endcaps – Top: Polystyrene  
Bottom: Polypropylene

Membrane Assembly – Polystyrene, epoxy resin

Carbon Pre-filter - Activated carbon, synthetic polymeric fibers & binders

Netting – Polyethylene

O-ring Seals – EPDM

Temperature Rating – 40-140°F (4.4-60°C)

\*Based on manufacturer's internal testing.  
EPA EST. NO. 086074-NH-001

## RECOMMENDED OPERATING CONDITIONS

MODEL #	PART #	PRESSURE DIFFERENTIAL	STORAGE TEMPERATURE RANGE	pH RANGE	OPERATING PRESSURE RANGE	WATER TURBIDITY
MG-10MCB	255420-43	88 psi (6.1 bar) max	35-104° F (2.0-40° C)	2-12	5-88 psi (0.35-6.1 bar) max	<1 NTU

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (ABSOLUTE)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	ESTIMATED CAPACITIES**
MG-10MCB	255420-43	2.88" x 10.28" (73 mm x 261 mm)	0.15	11 psi @ 1 gpm (0.76 bar @ 3.8 Lpm)	200-600 gallons (757-2,271 L)

\*Based on manufacturer's internal testing.

\*\*Capacities may vary depending on local water quality, type of pre-filtration and acceptable minimum flow rate.

Not certified for sale in California, Iowa, or Wisconsin

NOTE: Cartridge not intended for converting wastewater or raw sewage into drinking water

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## PENTEK PCC SERIES HEXAMETAPHOSPHATE CRYSTAL CARTRIDGES

REDUCES SCALE, CORROSION AND IRON IN WATER

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**Pentair Pentek PCC Series Filter Cartridges contain hexametaphosphate that dissolves slowly in water to inhibit scale and rust build-up.**

**These cartridges are available in four feeder sizes with variable volumes of phosphate crystals.**

**They are effective for treating scale, corrosion and iron problems for up to six months at various flow rates and feed concentrations.**

**The PCC212 and PCC218 Cartridges are designed to fit Pentek #10 Standard or Slim Line Filter Housings. The PCC-1 Cartridge is designed to fit in #10 Standard Filters only.**

**The PCC-106 is an insert element that is placed in the center core of the cartridge. It is designed for use with standard 10" and 20" radial flow, sediment and carbon block double open-ended filter cartridges.**

**This type of treatment is recommended for use with ice machines, coffee and vending machines, food service equipment, water heaters, air conditioning equipment and many other types of water processing equipment.**

### FEATURES/BENEFITS

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Hexametaphosphate crystals help prevent lime and scale deposits

Effective for treating corrosion and iron problems

Four unique designs to fit multiple applications

Variety of media volumes and flow rates

### SPECIFICATIONS

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Filter Media – Polyphosphate  
Shell – Polypropylene  
Post-Filter – Polypropylene

Gaskets – Buna-N  
(PCC212 and PCC218)  
Temperature Rating –  
40-100°F (4.4-37.8°C)

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	INITIAL ΔP (PSI)@ FLOW RATE (GPM)
PCC-1	155100-43	2.88" x 9.63" (73 mm x 244 mm)	Up to 5 gpm (19 Lpm)
PCC-106	155632-43	1.06" x 5.44" (27 mm x 138 mm)	1 to 1.5 gpm (4 to 6 Lpm) for insertion in center core of open core cartridges
PCC212	155248-43	2.63" x 9.75" (67 mm x 248 mm)	1 to 1.5 gpm (4 to 6 Lpm)
PCC218	155251-43	2.63" x 9.75" (67 mm x 248 mm)	1.5 to 2.5 gpm (6 to 10 Lpm)

NOTES: Pentek PCC212 and PCC218 Cartridges are not recommended for main line water applications with flow rates exceeding 3.0 gpm (11.4 lpm). With steamers, the water should be flushed daily.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

CAUTION: Eye irritant. Contains sodium calcium hexametaphosphate. Avoid contact with eyes. In case of eye contact, flush with water for 15 minutes, seek medical attention. Keep out of reach of children.

**Scale:** Hardness particles are kept separated so they cannot precipitate and form deposits when heated; maximum hardness 15 gpg

**Corrosion:** A protective coating is formed on all metal surfaces, safeguarding against acidity/alkalinity, hardness, chloride and other factors which affect the corrosion of water equipment and pipes; pH range 6.5-9.0

**Iron:** Dissolved iron, up to 1 ppm, is kept suspended in solution (sequestered), preventing dissolved iron from precipitating, which would cause staining and discoloration

## PENTEK WS SERIES WATER SOFTENER CARTRIDGES

SUPERIOR PROTECTION FOR SENSITIVE WATER DELIVERY EQUIPMENT



**Pentair Pentek WS Series Cartridges are designed to allow optimal contact between water and resin surfaces, ensuring maximum ion exchange. The internal expansion pad minimizes channeling, while the post-filter eliminates any potential for bypass.**

**Designed for low water usage, these units will easily deliver softened product water through the use of a sodium based, non-solvent rinsed softening resin. The cartridge style design provides a convenient solution for delivering softened water to protect sensitive water delivery equipment.**

**WS Series Cartridges are available in three sizes for use in Pentek Slim Line, Standard, and Big Blue Series Filter Housings. Properly sized, these units can effectively treat water in applications desiring low hardness and scale deposits with capacity ranging between 750 to 4,500 grains.**

**Water Softening Cartridges provide superior performance and outstanding protection for medical equipment, coffee and espresso appliances, low volume beverage and commercial food service machines.**

### FEATURES/BENEFITS

Available in a variety of sizes for multiple applications  
Sodium form

Utilize single-use resin technologies for maximum life grains (CaCo<sub>3</sub>) capacity

### SPECIFICATIONS

Filter Media – Cation, sodium-form resin, 20 x 40 mesh, R-SO3-Na+

Endcaps – Polypropylene

Pre-Filter – Polypropylene

Post-Filter – Polypropylene

Gaskets – Buna-N

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

## SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	DIMENSIONS	RECOMMENDED FLOW RATES	CAPACITY (GRAINS AS CaCO <sub>3</sub> )
WS-10	155319-43	2.63" x 9.75" (67 mm x 248 mm)	0.50 gpm (1.9 Lpm)	750
WS-20	155320-43	2.63" x 20" (67 mm x 508 mm)	0.75 gpm (2.8 Lpm)	1,500
WS-20BB	155321-43	4.50" x 20" (114 mm x 508 mm)	2.0 gpm (8.5 Lpm)	4,500

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



# RESIDENTIAL RO MEMBRANES

# TLC MEMBRANE ELEMENTS

## THIN LAYER COMPOSITE RESIDENTIAL MEMBRANES

PROVIDES HIGH QUALITY REVERSE OSMOSIS WATER



**Pentair TLC Residential Membranes use an industry leading state-of-the-art TLC (Thin Layer Composite) membrane providing high quality water for a broad range of water chemistries. Each membrane is required to meet our factory's strict performance requirements prior to shipment.**

### FEATURES/BENEFITS

TLC Thin Layer Composite membrane

100% dry membrane maximizing shelf life

Eligible for NSF data transfer

High rejection stability at high input TDS

Standard dimensions to fit in commonly available housings

### OPERATIONAL LIMITS

Maximum Pressure:  
100 PSI (6.90 bar)

Maximum Temperature:  
120°F (49°C)

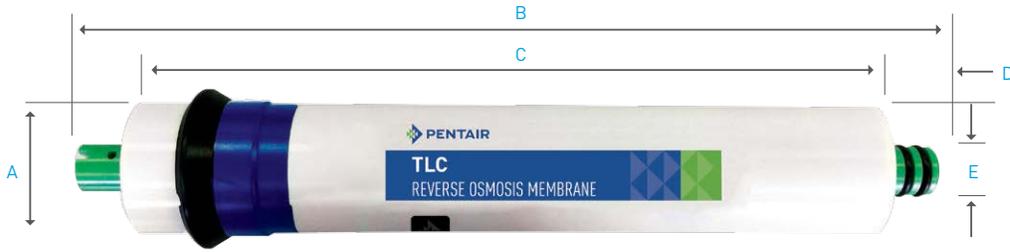
pH:  
4-11

Free Chlorine:  
0.1 ppm



The TLC-100 is Tested and Certified by NSF International against NSF/ANSI Standard 58 for material requirements only. The TLC-24, TLC-36, TLC-50, and TLC-75 are tested & certified by NSF/ANSI to standard 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium & TDS.

## SIZE SPECIFICATIONS



MODEL	UNIT	A	B	C	D	E
TLC-24	inches (cm)	1.79 (4.55)	<b>11.75 (29.85)</b>	<b>10.00 (25.40)</b>	<b>0.875 (2.22)</b>	<b>0.678 (1.72)</b>
TLC-36	inches (cm)	1.79 (4.55)	<b>11.75 (29.85)</b>	<b>10.00 (25.40)</b>	<b>0.875 (2.22)</b>	<b>0.678 (1.72)</b>
TLC-50	inches (cm)	1.79 (4.55)	<b>11.75 (29.85)</b>	<b>10.00 (25.40)</b>	<b>0.875 (2.22)</b>	<b>0.678 (1.72)</b>
TLC-75	inches (cm)	1.79 (4.55)	<b>11.75 (29.85)</b>	<b>10.00 (25.40)</b>	<b>0.875 (2.22)</b>	<b>0.678 (1.72)</b>
TLC-100	inches (cm)	1.83 (4.65)	<b>11.75 (29.85)</b>	<b>10.35 (26.30)</b>	<b>0.875 (2.22)</b>	<b>0.678 (1.72)</b>

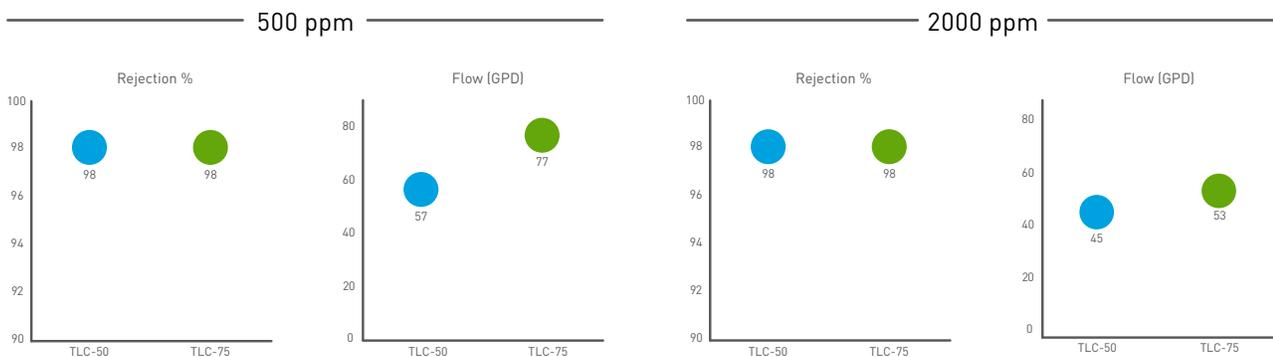
Filters and membrane elements are not to be installed on microbiologically unsafe water supplies. TLC Membranes are not certified to sanitize water, remove cysts, bacteria, or viruses. Filter and membrane element performance can be affected by fluctuations in water quality.

## PRODUCT SPECIFICATIONS

PART NUMBER	MODEL NUMBER	NOMINAL PERFORMANCE	
		FLOW* GDP (LPD)	REJECTION
655006-00	TLC-24	24 (91)	<b>98%</b>
655007-00	TLC-36	36 (136)	<b>98%</b>
555694-00	TLC-50	50 (189)	<b>98%</b>
555693-00	TLC-75	75 (284)	<b>98%</b>
655045-00	TLC-100	100 (378)	<b>98%</b>

\* Nominal performances are based on a 500 ppm softened tap at 65 psig (4.48 bar), 77°F (25°C), 15% recovery after 24 hours. Individual element flux may vary +/- 15%.

## PERFORMANCE CHARACTERISTICS



Product Tested at 65 psi; 77°F; 20% recovery; 500 ppm NaCl/RO  
NOTE: The data above is based on internal laboratory testing.

Product Tested at 65 psi; 77°F; 20% recovery; 2000 ppm NaCl/RO



# SYSTEMS

# PENTEK

## QUICK-CHANGE FILTRATION SYSTEMS

DESIGNED FOR EASY INSTALLATION AND CARTRIDGE CHANGE



**Pentair Pentek Quick-Change Filtration Systems are designed for easy installation and cartridge change. 1/4" or 3/8" push fittings, as well as 1/4" compression fittings, on the inlet and outlet sides of the filter head allow effortless installation.**

**The cartridge filter is easily changed with a quarter-turn of the filter. Water is automatically shut off during the change of the filter through the auto shut-off feature built into the filter head. This feature eliminates the need for additional shut-off valves to and from the filter system.**

**The Pentek Quick-Change Filter System offers several cartridge options to meet the demands of varying water conditions. The granular activated carbon cartridge offers chlorine taste and odor performance with low pressure drop. The EP carbon block filter offers superior chlorine taste and odor performance with 5 micron sediment reduction by mechanical means. The CBR carbon block cartridge has enhanced performance capabilities for the reduction of chlorine taste & odor, lead, atrazine and lindane.**

**The CBR carbon block is NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.**

### FEATURES/BENEFITS

Easy to install, easy filter change  
 Reversible metal brackets for 1, 2 or 3 cartridges  
 1/4-inch or 3/8-inch John Guest push-fit connections available

1/4-inch compression connections available for flex hose connections  
 Cartridge models to choose from to meet specific application needs

### APPLICATIONS

Under-sink drinking water  
 Refrigerator/icemaker  
 Pre/post RO membrane  
 Vending machine

Ice machine  
 Coffee machine  
 Other OEM applications.



QC10-EP, QC10-GAC, QC10-TSGAC, and QC10-CBR are Tested and Certified by NSF/ANSI to Standard 42.



QC10-CBR is Tested and Certified by NSF/ANSI to Standard 53.

EPA EST. NO. 090375-MEX-001

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	CARTRIDGE COLOR	FILTER LIFE	FLOW RATE	RATING (NOMINAL)	1/4" THREADED	1/4" JG PUSH FIT	3/8" JG PUSH FIT
158682	QC10-CBR	White	500 gallons (1890 L)	0.5 gpm (1.9 Lpm)	0.5-micron*	•	•	•
158683	QC10-EP	White	1,500 gallons (5670 L)	0.5 gpm (1.9 Lpm)	5-micron**	•	•	•
158684	QC10-GAC	Blue	2,500 gallons (9460 L)	0.75 gpm (2.8 Lpm)	-	•	•	•
158723	QC10-TSGAC	Blue	1,700 gallons (6435 L)	0.75 gpm (2.8 Lpm)	-	-	•	•

\*Reduces particles as small as this micron rating in size by mechanical means.

\*\*Not Performance Tested or Certified by NSF.

## PENTEK US-1000 & US-1500 UNDERSINK DRINKING WATER SYSTEMS

OFFERS A VARIETY OF CONTAMINANT REDUCTION CAPABILITIES



US-1000  
US-1500

**Pentair Pentek offers two systems suitable for undersink, point-of-use installation. They are NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means.**

**Both systems come complete with cartridges, a long reach faucet, and installation hardware. The US-1500 features an electronic monitor for filter replacement. The US-1000 features MTBE reduction.**

### FEATURES/BENEFITS

Designed for water treatment professionals

Sleek appearance for both models

One piece manifold eliminates tubing connections between cartridges

Slim profile sumps support replacement cartridge business

Simple John Guest style tubing connections

### APPLICATIONS

Point of use drinking water

Undersink drinking water

Cooking and icemakers

Vending machine

Coffee machine



The US-1000 & US-1500 are  
Tested and Certified by  
NSF/ANSI to Standard 42 & 53

EPA EST. NO. 090375-MEX-001

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	PRESSURE RANGE	FILTER LIFE/ DAILY CAPACITY
160287	US-1000	15" W x 11" D x 6.5" H (381mm W x 279mm D x 165mm H)	10-125 psi	500 gallons
160288	US-1500	15" W x 11" D x 6.5" H (381mm W x 279mm D x 165mm H)	10-125 psi	1000 gallons

## REPLACEMENT PARTS

MODEL #	DESCRIPTION	PART #	FITS
P-250	Cartridge Set	155584-43	US-1500
P-250A	Cartridge Set	155832-43	US-1000
SW-5	Spanner Wrench	150424	US-1000, US-1500
	Faucet	244960	US-1000, US-1500

# PENTEK RO-2550

## REVERSE OSMOSIS DRINKING WATER SYSTEM

REDUCES LEAD AND CHLORINE TASTE & ODOR



**The Pentair Pentek RO-2550 Reverse Osmosis (RO) Drinking Water System reduces lead, chlorine taste & odor, dissolved minerals & salts, copper, hexavalent & trivalent chromium, barium, radium 226/228, selenium, and cysts such as Cryptosporidium and Giardia by mechanical means.**

**The carbon/sediment pre-filter reduces the particles and chlorine taste and odor to prolong life of RO membrane. The RO membrane separates water molecules from dissolved salts and minerals. Up to 96% of these total dissolved solids (TDS) are rejected and sent down the drain. The RO filtered water is sent to the storage tank until you need it. When you turn on the drinking water faucet, the filtered water from the storage tank is sent through a carbon polishing filter which provides final taste and odor filtration before the water reaches your glass. Cleaner, fresher water whenever you want it!**

### FEATURES/BENEFITS

- Includes 50 gallon per day reverse osmosis element
- Installed under the sink
- Water on demand delivered from a 2.8 gallon storage tank
- Automatic shut-off valve helps conserve water
- Reduces salts, dissolved minerals, bad taste and odor

Designed for chlorinated and non-chlorinated water

Reduces particles as small as 1/1000 of a micron in size by mechanical means

NSF/ANSI Standard 58 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means

### APPLICATIONS

Provides cleaner, fresher tasting water for drinking and cooking



System Tested and Certified by NSF International against NSF/ANSI Standard 58.

EPA EST. NO. 082989-CHN-001

## ORDERING INFORMATION

SYSTEM		SPECIFICATIONS						
MODEL	PART NUMBER	MAXIMUM DIMENSIONS	WEIGHT	TANK CAPACITY	PRESSURE RANGE	TEMPERATURE RANGE	MEMBRANE CAPACITY	TDS REJECTION
<b>RO-2550</b>	<b>161079</b>	System: 12" W x 6" D x 16" H (304mm W x 152mm D x 406mm H) Tank: 13-1/2" W x 9" D x 9" H (343mm W x 203mm D x 229mm H)	<b>17.3 lbs</b> (7.85 kg)	<b>2.8 gallons</b> (10.6 litres)	<b>40 - 100 psi</b> (3.45 - 6.89 bar)	<b>40 - 100° F</b> (4.4 - 37.8° C)	<b>50 gallons</b> per day (GPD)	<b>96.2%</b>

# PENTEK RO-3000 & RO-3500 REVERSE OSMOSIS DRINKING WATER SYSTEMS

OFFERS A VARIETY OF CONTAMINANT REDUCTION CAPABILITIES



RO-3000  
RO-3500  
(with monitor)

The Pentair Pentek RO-3000 and RO-3500 Reverse Osmosis Systems offer the finest level of water filtration available. They are NSF certified to reduce salts, dissolved minerals and bad taste & odor; and NSF/ANSI Standard 58 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means. They are designed for chlorinated or non-chlorinated water and reduce particles as small as 1/1000 of a micron in size by mechanical means.

The RO-3000 and RO-3500 each produce up to 7.6 gallons of top quality water per day, depending on your operating conditions. The RO-3500 features an electronic water quality monitor to indicate when to change the RO membrane. Both systems come complete with cartridges, a long reach faucet, and installation hardware.

## FEATURES/BENEFITS

**Designed for water treatment professionals**

**Sleek appearance**

**One piece manifold eliminates tubing connections between cartridges**

**Slim profile sumps support replacement cartridge business**

**Simple John Guest style tubing connections**

## APPLICATIONS

Point of use drinking water

Undersink drinking water

Cooking and icemakers

Pre- and post-reverse osmosis

Vending machine

Coffee machine



The RO-3000 & RO-3500 are Tested and Certified by NSF/ANSI to Standard 58.

EPA EST. NO. 090375-MEX-001

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	PRESSURE RANGE	FILTER LIFE/ DAILY CAPACITY
161014	RO-3000	System: 13¾" W x 4¾" D x 12¾" H (349mm W x 120mm D x 324mm H) Tank: 11¼" W x 11¼" D x 16¾" H (286mm W x 286mm D x 425mm H)	40-100 psi	26 gallons per day (GPD)
161013	RO-3500	System: 13¾" W x 4¾" D x 12¾" H (349mm W x 120mm D x 324mm H) Tank: 11¼" W x 11¼" D x 16¾" H (286mm W x 286mm D x 425mm H)	40-100 psi	26 gallons per day (GPD)

## REPLACEMENT PARTS

MODEL #	DESCRIPTION	PART #	FITS
ROM-230T	Thin Film Membrane	155854-01	RO-3000
ROM-230TN	Thin Film Membrane	155855-19	RO-3500
ROR	RO Replacement Cartridge Set	155923-43	RO-3000, RO-3500
SW-5	Spanner Wrench	150424	RO-3000, RO-3500
	Auto Shut-Off Valve	144653	RO-3000, RO-3500

## PENTEK UV SERIES ULTRAVIOLET SYSTEMS



**All Pentair Pentek UV Series Systems are constructed with a durable polypropylene housing; a quartz sleeve to protect the lamp and provide maximum UV transmittance; a UL-listed, voltage regulated control module, mounting bracket and hardware.**

**UV-120 and UVBB Models are equipped with a stainless steel insert sleeve to provide increased durability.**

**UVS-110 and UV-110 Systems are equipped with a CBU-10 carbon block cartridge to provide the maximum UV transmittance through the water by reducing turbidity.**

**UV Series Ultraviolet Systems are available in two sizes: 120 volt, 60 hertz; and 220/240 volt, 50 hertz. System flow rate range from 1-15 gpm (3.8 - 57 Lpm).**

### FEATURES/BENEFITS

High-intensity UV output

Positive alternative to environmentally harmful chemicals

Available in three different sizes and two different voltages

Produces a dose of UV light (16,000 microwatt-sec per square centimeter) at a wavelength of 254 nanometers

### SPECIFICATIONS

Housing – Polypropylene

Cap – Polypropylene

UV Sleeve – Quartz

O-Rings – Buna-N

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

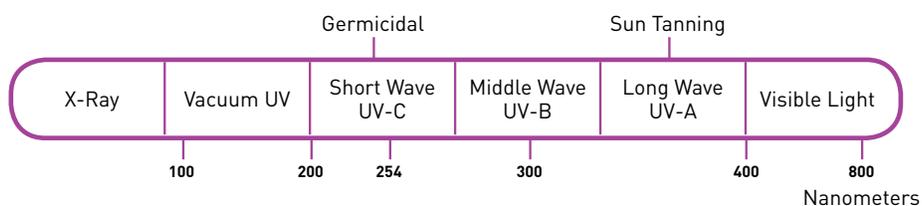
Reaction Chamber – Stainless steel (20" models only)

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	VOLTAGE	HERTZ	RECOMMENDED FLOW RATES	MAXIMUM OPERATING PRESSURE
163004	UVS-110-2*†	5-1/2" x 15-1/2" (140 mm x 394 mm)	220	50	1 gpm (3.8 Lpm)	65 psi (4.5 bar)
163005	UV-110-1*	5-1/2" x 15-1/2" (140 mm x 394 mm)	120	60	2 gpm (7.6 Lpm)	65 psi (4.5 bar)
163006	UV-110-2*	5-1/2" x 15-1/2" (140 mm x 394 mm)	220	50	2 gpm (7.6 Lpm)	65 psi (4.5 bar)
163007	UV-120-1	5-1/2" x 25-1/2" (140 mm x 648 mm)	120	60	8 gpm (30.3 Lpm)	65 psi (4.5 bar)
163008	UV-120-2	5-1/2" x 25-1/2" (140 mm x 648 mm)	220	50	8 gpm (30.3 Lpm)	65 psi (4.5 bar)
163009	UVBB-120-1	7" x 29" (178 mm x 737 mm)	120	60	15 gpm (56.8 Lpm)	65 psi (4.5 bar)
163101	UVBB-120-2	7" x 29" (178 mm x 737 mm)	220	50	15 gpm (56.8 Lpm)	65 psi (4.5 bar)

\* Supplied with a carbon block filter cartridge which reduces sediment, bad taste and odor.

† For export sale only.



Minimum Dose:\* 16 mJ/cm<sup>2</sup> (16,000 microwatt-sec per cm<sup>2</sup>)

Models UVS-110-1, UVS-110-2, UV-110-1 and UV-110-2 incorporate a carbon block cartridge (CBU-10) that surrounds the quartz tube. This cartridge provides prefiltration that assures maximum transmittance of UV light through the water.

NOTE: Carbon block prefilters or other fine filtration can be plumbed in separately to provide this function for models UV-120 and UVBB-120.

\*Determined by:

LAMP INTENSITY (microwatts) X TIME OF EXPOSURE IN REACTOR CHAMBER (sec)

÷ SURFACE AREA OF REACTOR CHAMBER (cm<sup>2</sup>) = microwatt • sec/cm<sup>2</sup> = mJ/cm<sup>2</sup>/1000a

# PENTEK BFS/BBFS SERIES

## BASIC FILTRATION SYSTEMS

PRE-ASSEMBLED SYSTEMS WHERE SPACE IS LIMITED



Pentair Pentek BFS and BBFS Basic Filtration Systems consist of either two or three filter housings, which are mounted in series, a wall-mounting bracket and hardware.

The BFS-201 features two 3/8" NPT low-profile Slim Line Housings in series for installations where space is limited. The BBFS systems consist of a series of large-capacity 1" NPT #20 Big Blue housings allowing for greater cartridge capacities and higher flow rates. All systems are equipped with a pressure relief button to relieve housing pressure during cartridge changes, and are shipped completely pre-assembled, saving valuable installation time.

All filter housings are manufactured of a durable polypropylene, have excellent chemical resistance and are ideal for many residential, commercial and industrial applications.

### FEATURES/BENEFITS

- Multi-housing systems include wall-mounting bracket and hardware
- Available with low-profile Slim Line or large capacity Big Blue housings
- All systems are shipped completely pre-assembled, saving valuable installation time

### MATERIALS OF CONSTRUCTION

- Cap – Polypropylene
- Housing – Polypropylene
- Bracket – Powder coated carbon steel
- O-Rings – Buna-N
- Maximum Temperature – 100°F (37.8°C)

### APPLICATIONS

#### Home

- Whole House Filtration to Reduce:
  - Rust Particles
  - Iron (insoluble)
  - Sediment
  - Bad Taste & Odor
  - Chlorine Taste & Odor

#### Commercial

- Deionization
- Coalescing
- Combination
- Sediment/Rust Particles

- Bad Taste & Odor
- Duplexing

#### Industrial

- Step-down Filtration
- Circulating Baths
- Plating
- Batch Treatments
- Color Reduction
- Organic Reduction
- Cooling Towers
- Pre RO Filtration
- Duplexing

## SPECIFICATIONS AND PERFORMANCE

PART #	MODEL #	MAXIMUM DIMENSIONS	MAXIMUM PRESSURE	FLOW RATE*	HOUSING QUANTITY	HOUSING SIZE
160196	BFS-201	10-1/2" x 5-1/4" x 14" (267 mm x 133 mm x 356 mm)	125 psi (8.62 bar)	up to 10 gpm (37.9 Lpm)	2	3/8" Slim Line
160166	BBFS-22	15-1/4" x 8-1/2" x 26-1/2" (388 mm x 216 mm x 673 mm)	90 psi (6.2 bar)	up to 40 gpm (151.4 Lpm)	2	1" #20 Big Blue
160168	BBFS-222	23-1/4" x 8-1/2" x 26-1/2" (591 mm x 216 mm x 673 mm)	90 psi (6.2 bar)	up to 40 gpm (151.4 Lpm)	3	1" #20 Big Blue

\* Actual flow rate may vary and is dependent on the cartridge used.



**WATER QUALITY SYSTEMS**

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209

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CUSTOMER CARE: 800.279.9404 | [tech-support@pentair.com](mailto:tech-support@pentair.com)

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