

## SLIM LINE™ HOUSINGS



- Slim design reduces space required for installation without sacrificing capacity
- FDA grade construction

**Specifications**

- Housing: Reinforced Polypropylene and Clear Styrene Acrylonitrile (SAN)
- Cap: Reinforced Polypropylene
- Button Assembly: 300-series Stainless Steel
- O-Ring: Buna-N
- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 125 psi (8.62 bar)
- Pipe Size: 1/4", 3/8" and 1/2" NPT

**Housing Specifications and Performance Data**

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#5 Clear	7-3/8" x 4-5/8" (187 mm x 118 mm)	2 psi @ 3 gpm (0.14 bar @ 11 lpm)
#10 Clear	12-1/8" x 4-5/8" (308 mm x 118 mm)	2 psi @ 5 gpm (0.14 bar @ 19 lpm)
#5 Blue	7" x 4-3/8" (178 mm x 111 mm)	2 psi @ 3 gpm (0.14 bar @ 11 lpm)
#10 Blue	11-3/4" x 4-3/8" (299 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 lpm)
#20 Blue	21-7/8" x 4-3/8" (556 mm x 111 mm)	2 psi @ 5 gpm (0.14 bar @ 19 lpm)

## STANDARD HOUSINGS



- Ideal for a wide range of applications including residential, commercial and industrial
- Available in 10" and 20" sizes to meet your needs
- Optional pressure-relief/bleed button on inlet side of cap
- Thick walls for increased strength
- Leak-proof sealing with top-seated Buna-N O-ring
- Available with clear and blue sumps

**Specifications**

- Housing: Reinforced Polypropylene and Clear Styrene Acrylonitrile (SAN)
- Cap: Reinforced Polypropylene
- Button Assembly: 300-series Stainless Steel
- O-Ring: Buna-N
- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 125 psi (8.62 bar)
- Pipe Size: 3/4" NPT

MB = Mounting Bracket Cap

**Housing Specifications and Performance Data**

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 Blue	12-1/4" x 5-1/8" (311 mm x 130 mm)	1 psi @ 10 gpm (0.1 bar @ 38 lpm)
#10 Clear	12-5/8" x 5-1/4" (321 mm x 133 mm)	1 psi @ 10 gpm (0.1 bar @ 38 lpm)
#20 Blue	22-3/8" x 5-1/8" (568 mm x 130 mm)	1 psi @ 10 gpm (0.1 bar @ 38 lpm)

## VALVE-IN-HEAD HOUSINGS



- Shut-off valve on top of cap
- Ideal for a wide range of applications including residential, commercial and industrial
- Available in 10" and 20" sizes
- Pressure-relief/bleed button on inlet side of cap
- Thick walls for increased strength
- Leak-proof sealing with top-seated Buna-N O-ring
- Available with clear and blue sumps

**Specifications**

- Housing: Reinforced Polypropylene and Clear Styrene Acrylonitrile (SAN)
- Cap: Reinforced Polypropylene
- Button Assembly: 300-series Stainless Steel
- Valve: Delrin
- O-Ring: Buna-N
- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 125 psi (8.62 bar)
- Pipe Size: 3/4" NPT

**Housing Specifications and Performance Data**

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 VIH	12-1/2" x 5-1/8" (318 mm x 130 mm)	4 psi @ 8 gpm (0.3 bar @ 30 lpm)
#10 VIH Clear	12-7/8" x 5-1/4" (327 mm x 133 mm)	4 psi @ 8 gpm (0.3 bar @ 30 lpm)
#20 VIH	22-5/8" x 5-1/8" (575 mm x 130 mm)	4 psi @ 8 gpm (0.3 bar @ 30 lpm)

## BIG BLUE® HOUSINGS



- Large capacity housing suitable for high-flow applications
- Available in 10" and 20" sizes to meet your needs
- Optional pressure-relief/bleed on inlet side of cap
- Accepts 4-1/2" diameter cartridges

## Specifications

- Housing: Reinforced Polypropylene
- Cap: Reinforced Polypropylene (HFPP)
- Button Assembly: 300-series Stainless Steel
- O-Ring: Buna-N
- Maximum Temperature: 100 °F (37.8 °C)
- Maximum Pressure: #10BB - 100 psi (6.9 bar)  
#20BB - 90 psi (6.2 bar)
- Pipe Size: 3/4", 1" and 1-1/2" NPT

## Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10-3/4"	13-1/8" x 7-1/4" (333 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 lpm)
#10-1"	13-1/8" x 7-1/4" (333 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 lpm)
#10-1-1/2"	13-5/8" x 7-1/4" (346 mm x 184 mm)	1 psi @ 20 gpm (0.1 bar @ 76 lpm)
#20-3/4"	23-3/8" x 7-1/4" (594 mm x 184 mm)	2 psi @ 15 gpm (0.1 bar @ 57 lpm)
#20-1"	23-3/8" x 7-1/4" (594 mm x 184 mm)	1 psi @ 15 gpm (0.1 bar @ 57 lpm)
#20-1-1/2"	23-7/8" x 7-1/4" (606 mm x 184 mm)	1 psi @ 20 gpm (0.1 bar @ 76 lpm)

## HIGH TEMPERATURE HOUSINGS



- Ideal for a wide range of industrial applications
- Excellent alternative to stainless and carbon steel vessels
- Durable glass-reinforced nylon construction

## Specifications

- Housing: Glass-Reinforced Nylon
- Cap: Glass-Reinforced Nylon
- O-Ring: Viton®
- Maximum Temperature:  
165 °F (73.9 °C) (High Temperature)  
125 °F (51.7 °C) (High Temperature Slim Line)
- Maximum Pressure: 125 psi (8.62 bar)
- Pipe Size: 1/2" and 3/4" NPT

## Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10 HT, 3/4"	12-1/8" x 5-1/8" (308 mm x 130 mm)	<1 psi @ 8 gpm (< 0.1 bar @ 30 lpm)
#20 HT, 3/4"	22-1/4" x 5-1/8" (565 mm x 130 mm)	<1 psi @ 8 gpm (< 0.1 bar @ 30 lpm)
#10 SL, 1/2"	11-3/4" x 4-3/8" (298 mm x 111 mm)	5 psi @ 8 gpm (< 0.4 bar @ 30 lpm)
#20 SL, 1/2"	21-7/8" x 4-3/8" (556 mm x 111 mm)	5 psi @ 8 gpm (< 0.4 bar @ 30 lpm)

## ALL NATURAL HOUSINGS



- An economical solution to fluoropolymer, stainless steel or Teflon® 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®
- Maximum Temperature: 100 °F (37.8 °C)
- Maximum Pressure: 100 psi (6.9 bar)
- Pipe Size: 3/4" NPT

## Housing Specifications and Performance Data

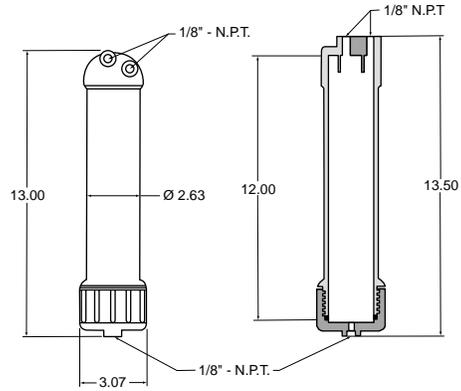
Model	Cartridge Seal	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)
#10	DOE <sup>1</sup> 222 o-ring	12-1/2" x 5-1/8" (320 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 gpm)
#12	222 o-ring	15-3/8" x 5-1/8" (390 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 gpm)
#20	DOE <sup>1</sup> 222 o-ring	23-1/8" x 5-1/8" (590 mm x 180 mm)	3 psi @ 7 gpm (0.2 bar @ 26.5 gpm)

<sup>1</sup>DOE: Double Open End

RO MEMBRANE HOUSINGS



- NSF Listed Component
- Manufactured from an FDA-grade polypropylene
- Accommodates most 12" membrane elements
- Available in straight or 90° angle outlet



ST SERIES STAINLESS STEEL FILTER HOUSINGS



- Heavy-duty units for smaller filtration systems and point-of-use applications
- Brushed 304 stainless steel sump with a cast brass/nickel plated head
- Ideal for extreme high-pressure/bot water applications
- Accepts complete range of standard double open end USFilter cartridges

Specifications

- Housing: Brushed 304 Stainless Steel
- Head: Brass/Nickel Plated
- Pipe Size: 3/4" FPT

Housing Specifications and Performance Data

Model	Dimensions	Recommended Flow Rates	Maximum Pressure	Maximum Temperature
ST-1	12-7/8" x 4-1/8" (327 mm x 105 mm)	10 gpm (38 lpm)	250 psi (17.2 bar)	300° F (149° C)
ST-2	22-3/4" x 4-1/8" (578 mm x 105 mm)	15 gpm (57 lpm)	250 psi (17.2 bar)	300° F (149° C)
ST-3	32-3/8" x 4-1/8" (822 mm x 105 mm)	20 gpm (76 lpm)	250 psi (17.2 bar)	300° F (149° C)

ST-BC SERIES STAINLESS STEEL FILTER HOUSINGS



- Heavy-duty units for large scale commercial/industrial applications
- Brushed 304 stainless steel construction with a gray-silver epoxy finish
- Ideal for extreme high-temperature applications
- Accepts complete range of standard double open end (DOE) USFilter cartridges

Specifications

- Housing: Brushed 304 Stainless Steel
- Finish: Epoxy
- Pipe Size: 2" (50.8 mm)
- Sealing Gasket: Buna-N

Housing Specifications and Performance Data

Model	Number of Cartridges, Dimensions of Cartridge	Recommended* Flow Rate	Maximum Pressure	Maximum Temperature
ST-BC-4	4 - 3" x 9-3/4" or 10" (76 mm x 248 mm x 254 mm)	28 gpm (106 lpm)	125 psi (8.62 bar)	300° F (149° C)
ST-BC-8	8 - 3" x 9-3/4" or 10" (76 mm x 248 mm x 254 mm)	56 gpm (212 lpm)	125 psi (8.62 bar)	300° F (149° C)
ST-BC-12	12 - 3" x 9-3/4" or 10" (76 mm x 248 mm x 254 mm)	84 gpm (318 lpm)	125 psi (8.62 bar)	300° F (149° C)
ST-BC-16	16 - 3" x 9-3/4" or 10" (76 mm x 248 mm x 254 mm)	110 gpm (416 lpm)	125 psi (8.62 bar)	300° F (149° C)
ST-BC-20	20 - 2-1/2" x 9-3/4" or 10" (64 mm x 248 mm x 254 mm)	125 gpm (473 lpm)	125 psi (8.62 bar)	300° F (149° C)

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

PRESSURE/FLOW	NET PRESSURE DROP - psi (bar) @ FLOW RATE - gpm (lpm)																
	1 (.4)	3 (1.1)	5 (1.9)	8 (3.0)	10 (3.8)	15 (5.7)	20 (7.6)	25 (9.5)	30 (11.4)	35 (13.2)	40 (15.1)	50 (18.9)	60 (22.7)	70 (26.5)	80 (30.3)	90 (34.1)	100 (37.9)
1/4" Slim Line™	<1 (.1)	2 (.1)	4 (.3)	10 (.7)	15 (1.0)												
3/8" Slim Line™	<1 (.1)	<1 (.1)	2 (.1)	5 (.4)	7 (.5)												
1/2" Slim Line™	<1 (.1)	<1 (.1)	2 (.1)	5 (.4)	7 (.5)												
3/4" Standard	<1 (.1)	<1 (.1)	<1 (.1)	<1 (.1)	1 (.1)	2 (.1)	3 (.2)										
3/4" V-I-H	<1 (.1)	1 (.1)	2 (.1)	4 (.3)	7 (.5)	16 (1.1)											
Big Blue® HFPP 3/4"	<1 (.1)	<1 (.1)	<1 (.1)	<1 (.1)	1 (.1)	2 (.1)	3 (.2)										
Big Blue® HFPP 1"	<1 (.1)	<1 (.1)	<1 (.1)	<1 (.1)	1 (.1)	1 (.1)	2 (.1)	3 (.2)	4 (.3)	5 (.4)	7 (.5)	11 (.8)	16 (1.1)				
Big Blue® HFPP 1-1/2"	<1 (.1)	<1 (.1)	<1 (.1)	<1 (.1)	<1 (.1)	1 (.1)	1 (.1)	2 (.1)	2 (.1)	3 (.2)	4 (.3)	7 (.5)	10 (.7)	13 (.9)			

NOTE: The pressure drop values listed for flow rates higher than 10 gpm were extrapolated from curves, except in the case of Big Blue housings. All tests were performed on empty housings (no cartridges). CAUTION: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.

CHEMICAL COMPATIBILITY CHART

Chemical	300 Series Stainless											
	Temperature (°F)**	% Concentration**	Polypropylene TF	SAN	Nylon GF	ABS GF	Delrin	Buna-N	Silicone	Viton E-60	Silicone	Viton E-60
Acetic Acid	125	50	A	A	D	A	D	C	-	C	-	-
Acetone	125	100	A	D	B	D	B	D	B	D	A	A
Ammonium Compounds	125	100*	A	A	A*	A	B	A	B	A	C	C
Ammonium Hydroxide	125	10	A	A	A	A	D	A	-	A	C	C
Beer	125	ANY	A	A	D	B	A	D	C	A	A	A
Benzene	72	100	B	D	A	D	B	D	-	A	B	B
Calcium Compounds	125	ANY*	A	A	A	A	A	A	C	A	B/C	B/C
Calcium Hypochlorite	68	20	A	-	D	-	D	B	C	A	D	D
Citric Acid	125	10	A	A	C	B	A	D	C	A	-	-
Cottonseed Oil	125	-	A	A	A	B	A	A	-	A	B	B
Detergents	125	2	A	A	A	A	A	A	-	A	-	-
Ethyl Alcohol	125	96	A	B	A	B	A	A	B	A	-	-
Freon	68	25	B	1/2	A	C <sup>1/2</sup>	D	1215	D	12	11	11
Fruit Juices	125	-	A	A	A	A	A	A	-	A	A	A
Gasoline	125	100	C	A	A	D	B	A	D	A	A	A
Glucose	125	20	A	A	A	A	A	A	B	A	A	A
Glycerin	125	100	A	A	A	B	A	A	B	A	A	A
Glycol	125	-	A	D	-	D	A	A	-	A	-	-
Hexane	125	100	C	-	A	D	D	A	B	A	A	A
Hydrochloric Acid	125	20	A	A	D	B	D	C	-	A	-	-
Hydrofluoric Acid	68	40	A	-	D	A	D	D	-	A	-	-

Chemical	300 Series Stainless											
	Temperature (°F)**	% Concentration**	Polypropylene TF	SAN	Nylon GF	ABS GF	Delrin	Buna-N	Silicone	Viton E-60	Silicone	Viton E-60
Hydrogen Peroxide	68	30	A	-	D	-	D	D	-	A	-	-
Inks	125	-	A	B	A	B	A	A	-	A	A	A
Ketones	68	-	D	D	B	-	C	D	-	D	A	A
Lubricating Oils	125	100	C	A	A	B	A	A	C	A	A	A
Mercury	125	100	A	-	A	-	A	A	-	A	A	A
Methyl Alcohol	125	100	A	D	A	D	A	B	-	C	-	-
Mineral Oil	100	100	B	A	A	A	A	A	-	A	A	A
Naphthalene	125	100	A	B	A	C	D	B	D	A	A	A
Nitric Acid	68	10	A	B	D	C	D	D	-	A	A	A
Olive Oil	125	100	A	A	A	A	A	A	C	A	A	A
Plating Solutions	125	-	A*	-	A/D*	-	*	A*	D	A	-	-
Sodium Compounds	125	ANY	A	A	A/C*	C	*	A	C	A	B	B
Sodium Hypochlorite	100	5	A	A	A	B	A	A	C	A	B	B
Sugar & Syrups	125	-	A	-	A	B	A	A	A	A	A	A
Sulfuric Acid	68	25	A	A	D	B	D	C	-	A	-	-
Toluene	100	-	D	D	A	D	D	D	D	C	A	A
Water (hot)	200	100	-	-	A	-	-	C	A	B	A	A
DI Water	125	100	B	A	A	A	A	A	A	A	-	-
Sea Water	125	100	A	B	A	A	C	A	-	A	-	-
Whiskey/Wines	125	-	A	A	A	A	A	A	-	A	A	A
Xylene	100	100	C	D	A	D	D	D	D	A	A	A

A = Negligible Effect  
 B = Limited Absorption Attack  
 C = Extensive Absorption and/or Rapid Permeation  
 D = Extensive Attack

\* Consult Factory for Specific Compound  
 \*\* Maximum  
 TF = Talc Filled  
 GF = Glass Filled

NOTICE: We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination. Users are advised to make their own tests to determine the safety and suitability of each product or product combination for their own purposes and applications. Unless otherwise agreed in writing, or previously tested by USFilter on specific applications, we sell the product without warranty against chemicals listed above. Buyers and users assume all responsibility for liability performance or damage.

## S1 SERIES PLEATED CELLULOSE



- Pleated design maximizes dirt-holding capacity
- Designed for general water filtration purposes
- Economically priced
- Nominal 20-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Resin-impregnated Cellulose
- End Caps: Vinyl Plastisol
- Core: Polypropylene
- Netting: Polyethylene
- Temperature Rating: 40° F to 145° F (4.4° C to 62.8° C)

**Cartridge Specifications and Performance Data**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Surface Area	Recommended Flow Rate
SI	2-5/8" x 9-3/4" (67 x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 lpm)	586.2 sq. in. (0.38m <sup>2</sup> )	12 gpm (45 lpm)
SI-20	2-5/8" x 20" (67 x 508 mm)	20	1.3 psi @ 10 gpm (0.09 bar @ 38 lpm)	1119.1 sq. in. (0.72m <sup>2</sup> )	15 gpm (57 lpm)
SI-BB	4-1/2" x 9-3/4" (114 x 248 mm)	20	1.2 psi @ 10 gpm (0.08 bar @ 38 lpm)	2079.6 sq. in. (1.34m <sup>2</sup> )	20 gpm (76 lpm)
SI-20BB	4-1/2" x 20" (114 x 508 mm)	20	1.1 psi @ 10 gpm (0.08 bar @ 38 lpm)	4289.9 sq. in. (2.77m <sup>2</sup> )	35 gpm (132 lpm)

## HFCP SERIES PLEATED CELLULOSE POLYESTER



- Special formulation of resin-impregnated cellulose and polyester fibers
- Provides higher wet strength than regular cellulose cartridges
- Minimal media migration
- Designed for high flow rate and high dirt-holding applications
- DOE Cartridge

**Specifications**

- Filter Media: Cellulose Polyester
- Core: Polypropylene
- End Caps: Molded Polypropylene
- Netting: Polyethylene
- Gasket: Buna-N & EPR
- Temperature Rating: 40° F to 165° F (4.4° C to 73.9° C)

**Cartridge Specifications and Performance Data**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
HFCP-1	2-5/8" x 9-3/4" (67 mm x 248 mm)	1	<1 psi @ 15 gpm (<0.1 bar @ 57 lpm)
HFCP-5	2-5/8" x 9-3/4" (67 mm x 248 mm)	5	<1 psi @ 15 gpm (<0.1 bar @ 57 lpm)
HFCP-10	2-5/8" x 9-3/4" (67 mm x 248 mm)	10	<1 psi @ 15 gpm (<0.1 bar @ 57 lpm)

## CP SERIES PLEATED CELLULOSE POLYESTER



- Special formulation of resin-impregnated cellulose and polyester fibers
- Provides higher wet strength than regular cellulose cartridges
- Minimal unloading and media migration
- DOE Cartridge

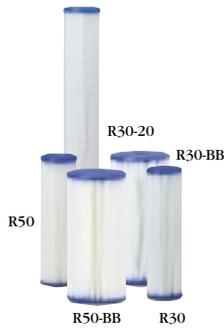
**Specifications**

- Filter Media: Cellulose Polyester
- Core: Polypropylene
- End Caps: Vinyl Plastisol
- Maximum Temperature: 40° F to 125° F (4.4° C to 51.7° C)

**Cartridge Specifications and Performance Data**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
CP-1	2-5/8" x 9-3/4" (67 mm x 248 mm)	1	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
CP-5	2-5/8" x 9-3/4" (67 mm x 248 mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
CP-10	2-5/8" x 9-3/4" (67 mm x 248 mm)	10	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
CP-20	2-5/8" x 9-3/4" (67 mm x 248 mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
CP-5-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)
CP-5-20BB	4-1/2" x 20" (114 mm x 508 mm)	5	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)

## R SERIES PLEATED POLYESTER



- Pleated design maximizes dirt-holding capacity
- Versatile and reusable, allowing for a variety of uses
- Durable polyester media is bacteria and chemical resistant
- Nominal 30-micron rating (R30) and nominal 50-micron rating (R50)
- DOE Cartridge

### Specifications

- Filter Media: Non-Woven Polyester
- Core: Polypropylene
- End Caps: Vinyl Plastisol
- Temperature Rating: 40° F to 125° F (4.4° C to 51.7° C)

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
R30-478	2-5/8" x 4-7/8" (67 mm x 124 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R30	2-5/8" x 9-3/4" (67 mm x 248 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R50	2-5/8" x 9-3/4" (67 mm x 248 mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R30-20	2-5/8" x 20" (67 mm x 508 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R30-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R50-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
R30-20BB	4-1/2" x 20" (114 mm x 508 mm)	30	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)

## PP SERIES POLYPROPYLENE PLEATED



- Pleated design maximizes dirt-holding capacity
- Durable polypropylene media resists bacterial attack
- Suitable for municipal or well water applications
- Nominal 30-micron rating
- DOE Cartridge

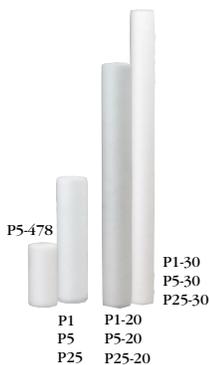
### Specifications

- Filter Media: Non-Woven Polypropylene
- Core: Polypropylene
- End Caps: Vinyl Plastisol
- Netting: Polyethylene (PP30 only)
- Temperature Rating: 40° F to 145° F (4.4° C to 62.8° C)

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
PP-30	2-5/8" x 9-3/4" (67 mm x 248 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
PP30-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)

## P SERIES SPUN BONDED-POLYPROPYLENE



- Manufactured from pure 100% polypropylene
- Designed for purity, bacteria and chemical resistance
- Spun fibers form a true gradient density from outer to inner surfaces
- DOE Cartridge

### Specifications

- Filter Media: Polypropylene Fibers
- Temperature Rating: 40° F to 145° F (4.4° C to 62.8° C)

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
P5-478	2-3/8" x 4-7/8" (60 mm x 124 mm)	5	0.3 psi @ 2 gpm (<0.1 bar @ 7.6 lpm)
P1	2-3/8" x 9-3/4" (60 mm x 248 mm)	1	0.6 psi @ 5 gpm (<0.1 bar @ 19 lpm)
P5	2-3/8" x 9-3/4" (60 mm x 248 mm)	5	0.2 psi @ 5 gpm (<0.1 bar @ 19 lpm)
P25	2-3/8" x 9-3/4" (60 mm x 248 mm)	25	0.2 psi @ 5 gpm (<0.1 bar @ 19 lpm)
P1-20	2-3/8" x 20" (60 mm x 508 mm)	1	0.6 psi @ 10 gpm (<0.1 bar @ 38 lpm)
P5-20	2-3/8" x 20" (60 mm x 508 mm)	5	0.6 psi @ 10 gpm (<0.1 bar @ 38 lpm)
P25-20	2-3/8" x 20" (60 mm x 508 mm)	25	0.2 psi @ 10 gpm (<0.1 bar @ 38 lpm)
P1-30	2-3/8" x 30" (60 mm x 762 mm)	1	0.5 psi @ 10 gpm (<0.1 bar @ 38 lpm)
P5-30	2-3/8" x 30" (60 mm x 762 mm)	5	0.2 psi @ 10 gpm (<0.1 bar @ 38 lpm)
P25-30	2-3/8" x 30" (60 mm x 762 mm)	25	0.2 psi @ 10 gpm (<0.1 bar @ 38 lpm)

## DGD SERIES DUAL-GRADIENT DENSITY

DGD-2501  
DGD-5005  
DGD-7525



- Manufactured from 100% pure polypropylene
- Designed for purity, with bacteria and chemical resistance
- Two separate gradient density layers enhance cartridge performance
- Three times the dirt-holding capacity of similar-sized sediment cartridges
- DOE Cartridge

**Specifications**

- Filter Media: Polypropylene
- Temperature Rating: 40° F to 145° F  
(4.4° C to 62.8° C)

**Cartridge Specifications and Performance Data**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
DGD-2501	4-1/2" x 10" (114 mm x 254 mm)	Pre-filter- 25 Post-filter - 1	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
DGD-2501-20	4-1/2" x 20" (114 mm x 508 mm)	Pre-filter- 25 Post-filter - 1	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)
DGD-5005	4-1/2" x 10" (114 mm x 254 mm)	Pre-filter- 50 Post-filter - 5	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
DGD-5005-20	4-1/2" x 20" (114 mm x 508 mm)	Pre-filter- 50 Post-filter - 5	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)
DGD-7525	4-1/2" x 10" (114 mm x 254 mm)	Pre-filter- 75 Post-filter - 25	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
DGD-7525-20	4-1/2" x 20" (114 mm x 508 mm)	Pre-filter- 75 Post-filter - 25	<1 psi @ 20 gpm (<0.1 bar @ 76 lpm)

## POLYDEPTH™ POLYPROPYLENE



POLYDEPTH™  
Polypropylene  
Sediment  
Cartridge

- Quality polypropylene filter media
- Will not impart taste, odor or color
- Superior chemical resistance-  
Not prone to bacterial attack
- Compatible with a wide range  
of industrial filtration
- Available in a wide range of  
micron ratings and lengths
- DOE Cartridge

**Specifications**

- Filter Media: Polypropylene
- Temperature Rating: 40° F to 175° F  
(4.4° C to 79.4° C)

**NOTE:** 2-1/2" x 19-1/2" and 2-1/2" x 29-1/4"  
(64 mm x 495 mm) (64 mm x 743 mm)  
lengths are also available.

**Cartridge Specifications and Performance Data**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
PD-1-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	1	<2.0 psi @ 2 gpm (< 0.14 bar @ 8 lpm)
PD-1-20	2-1/2" x 20" (64 mm x 510 mm)	1	<2.0 psi @ 5 gpm (< 0.14 bar @ 19 lpm)
PD-1-30	2-1/2" x 30" (64 mm x 763 mm)	1	<2.0 psi @ 7 gpm (< 0.14 bar @ 26 lpm)
PD-1-40	2-1/2" x 40" (64 mm x 1017 mm)	1	<2.0 psi @ 9 gpm (< 0.14 bar @ 34 lpm)
PD-5-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	5	<2.0 psi @ 2 gpm (< 0.14 bar @ 8 lpm)
PD-5-20	2-1/2" x 20" (64 mm x 510 mm)	5	<2.0 psi @ 5 gpm (< 0.14 bar @ 19 lpm)
PD-5-30	2-1/2" x 30" (64 mm x 763 mm)	5	<2.0 psi @ 7 gpm (< 0.14 bar @ 26 lpm)
PD-5-40	2-1/2" x 40" (64 mm x 1017 mm)	5	<2.0 psi @ 9 gpm (< 0.14 bar @ 34 lpm)
PD-10-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	10	<2.0 psi @ 2 gpm (< 0.14 bar @ 8 lpm)
PD-10-20	2-1/2" x 20" (64 mm x 510 mm)	10	<2.0 psi @ 5 gpm (< 0.14 bar @ 19 lpm)
PD-10-30	2-1/2" x 30" (64 mm x 763 mm)	10	<2.0 psi @ 7 gpm (< 0.14 bar @ 26 lpm)
PD-10-40	2-1/2" x 40" (64 mm x 1017 mm)	10	<2.0 psi @ 9 gpm (< 0.14 bar @ 34 lpm)
PD-25-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	25	<2.0 psi @ 2 gpm (< 0.14 bar @ 8 lpm)
PD-25-20	2-1/2" x 20" (64 mm x 510 mm)	25	<2.0 psi @ 5 gpm (< 0.14 bar @ 19 lpm)
PD-25-30	2-1/2" x 30" (64 mm x 763 mm)	25	<2.0 psi @ 7 gpm (< 0.14 bar @ 26 lpm)
PD-25-40	2-1/2" x 40" (64 mm x 1017 mm)	25	<2.0 psi @ 9 gpm (< 0.14 bar @ 34 lpm)
PD-50-934	2-1/2" x 9-7/8" (64 mm x 251 mm)	50	<2.0 psi @ 2 gpm (< 0.14 bar @ 8 lpm)
PD-50-20	2-1/2" x 20" (64 mm x 510 mm)	50	<2.0 psi @ 5 gpm (< 0.14 bar @ 19 lpm)
PD-50-30	2-1/2" x 30" (64 mm x 763 mm)	50	<2.0 psi @ 7 gpm (< 0.14 bar @ 26 lpm)
PD-50-40	2-1/2" x 40" (64 mm x 1017 mm)	50	<2.0 psi @ 9 gpm (< 0.14 bar @ 34 lpm)

## CRE SERIES CERAMIC CARTRIDGE



CRE-1

- Specially designed for cyst reduction and fine sediment filtration applications
- 1/2" thick ceramic walls allow for many cleanings, extending cartridge life
- Nominal 1-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Sintered Ceramic
- End Caps: Thermoset Polymeric
- Gasket: Buna-N
- Temperature Rating: 40° F to 125° F  
(4.4° C to 52° C)

**Material Selection Guide**

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
CRE-1	1-7/8" x 9-3/4" (46 mm x 248 mm)	1	19 psi @ 1 gpm (1.3 bar @ 3.8 lpm)

## CW/WP SERIES POLYPROPYLENE WOUND CARTRIDGES



- String-wound design reduces fine sediment from a variety of fluids
- Economically priced
- Nominal 5-, 20-, 50-micron rating (CW) and nominal 5-, 30-micron rating (WP)\*
- DOE Cartridge

### Specifications

- Filter Media: Polypropylene Fiber Cord
- Core: Polypropylene
- Temperature Rating: 40° F to 165° F (4.4° C to 73.9° C)

\* WP Series are wound in a precise pattern to provide a greater surface area.

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
CW-F	2-3/8" x 9-7/8" (60 mm x 251 mm)	5	<1 psi @ 7 gpm (<0.1 bar @ 27 lpm)
CW-MF	2-3/8" x 9-7/8" (60 mm x 251 mm)	20	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
CW-50	2-3/8" x 9-7/8" (60 mm x 251 mm)	50	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
WP-5	2-3/8" x 9-7/8" (60 mm x 251 mm)	5	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)
WP-30	2-3/8" x 9-7/8" (60 mm x 251 mm)	30	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)

## WP-BB SERIES



- Fibrous polypropylene wound
- Micron rating from 0.5 to 25
- Used in Big Blue® housings
- Both 9-7/8" and 20" lengths

### Specifications

- Filter Media: Polypropylene
- Core: Polypropylene
- Temperature Rating: 40° F to 165° F (4.4° C to 73.9° C)

**NOTE:** An anti-static agent has been used in the processing of the fibrous polypropylene and may cause some foaming in the liquid being filtered. If foaming is an application issue, we recommend to use WPX-Series.

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
WP5BB97P	4-1/2" x 9-7/8" (114 mm x 251mm)	0.5	5 psi @ 10 gpm (0.3 bar @ 38 lpm)
WP1BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	1	4 psi @ 15 gpm (0.3 bar @ 57 lpm)
WP5BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	5	3 psi @ 20 gpm (0.2 bar @ 76 lpm)
WP10BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	10	1 psi @ 20 gpm (0.1 bar @ 76 lpm)
WP25BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	25	1 psi @ 20 gpm (0.1 bar @ 76 lpm)
WP1BB20P	4-1/2" x 20" (114 mm x 508 mm)	1	6 psi @ 30 gpm (0.4 bar @ 114 lpm)
WP5BB20P	4-1/2" x 20" (114 mm x 508 mm)	5	6 psi @ 40 gpm (0.4 bar @ 151 lpm)
WP25BB20P	4-1/2" x 20" (114 mm x 508 mm)	25	5 psi @ 40 gpm (0.3 bar @ 151 lpm)

## WPX-BB SERIES



- Fibrillate polypropylene wound
- Maintains high flow rates
- Bacteria & chemical resistance
- Made with no surfactants
- Used in Big Blue® Housings

### Specifications

- Filter Media: Polypropylene
- Core: Polypropylene
- Temperature Rating: 40° F to 165° F (4.4° C to 73.9° C)

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)
WPX5BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	5	16 psi @ 10 gpm (1.1 bar @ 38 lpm)
WPX10BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	10	12 psi @ 15 gpm (0.8 bar @ 57 lpm)
WPX25BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	25	10 psi @ 20 gpm (0.7 bar @ 76 lpm)
WPX50BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	50	8 psi @ 30 gpm (0.6 bar @ 114 lpm)
WPX100BB97P	4-1/2" x 9-7/8" (114 mm x 251 mm)	100	8 psi @ 40 gpm (0.6 bar @ 151 lpm)
WPX100BB20P	4-1/2" x 20" (114 mm x 508 mm)	100	8 psi @ 65 gpm (0.6 bar @ 246 lpm)

**RYTON AND UNBAKED GLASS FIBER CARTRIDGES**



- Graded pore structure for efficient removal of wide range of particles sizes
- Cost savings from long on-stream filter life
- Diverse range of removal ratings
- Wide chemical compatibility
- Suitable for liquid and gas filtration
- High contaminant holding capacity
- Cartridges fit all standard housings
- DOE Cartridge

**Specifications**

- Filter Media: Ryton for Ryton Fiber Cartridges and Unbaked for Unbaked Glass Fiber Cartridges
- Core: 304SS
- Micron Rating: 1,5,10,25,50,100,150
- Lengths: 10" and 20"
- Outer Dimensions: 2-1/2"
- Inner Dimensions: 1"
- Applications: Chemicals, magnetic coatings, photographic, food and beverage, oil production, health care, air and gas and others.

**Cartridge Specifications and Performance Data**

Filter Medium	Glass Fiber	Ryton
Maximum Temperature with 304 Stainless Steel Core	750° F (399° C)	375° F (190° C)
Compatibility with:		
Portable Liquids, Water	Poor	Excellent
Organic Solvents	Excellent	Excellent
Oils	Excellent	Excellent
Organic Acids	Excellent	Excellent
Alkalies	Poor	Excellent
Oxidizing Agents	Excellent	Poor
Steam, Non-Continuous	N/R	Fair
Strong Acids	Excellent	Excellent
Dilute Acids	Excellent	Excellent
Micro Organism Resistance	Excellent	Excellent

**HIGH EFFICIENCY POLYPROPYLENE CARTRIDGES**



- > 98% efficiency
- High surface area
- Gradient density
- Low fiber migration
- Thermal welded construction
- DOE Cartridge

**Specifications**

- End Caps and cage: Polypropylene
- Media: Gradient density polypropylene
- Maximum Temperatures: 122° F (50° C)
- Micro-fiber
- Gaskets: EPDM
- Applications: Chemicals, Magnetic Coatings, Photographic, Food and Beverage, Cosmetics, Oil Production, Health Care, Air and Gas

**Cartridge Specifications and Performance Data**

Model	Dimensions	Recommended Flow Rates	Micron 98% Efficiency
PO.2-10E	2-13/16" x 9-3/4" (71 mm x 248 mm)	2 gpm	0.2
PO.2-20E	2-13/16" x 19-1/2" (71 mm x 496 mm)	2 gpm	0.2
PO.45-10E	2-13/16" x 9-3/4" (71 mm x 248 mm)	3 gpm	0.45
PO.45-20E	2-13/16" x 19-1/2" (71 mm x 496 mm)	3 gpm	0.45

**ABSOLUTE-RATED CERAMIC CARTRIDGES**

- **Economical:**  
Lower initial costs with savings over most absolute-rated cartridges
- **Cleanable:**  
30-50 times, yields 3-4 times the effective surface area of conventional cartridges and offers lowest cost per gallon
- **Performance:**  
0.9 micron model exceeds 99.9% cyst reduction at higher flow rates;  
0.3 micron model exceeds U.S. EPA guidelines for removal of bacteria (>99.9999%) and cysts (99.9%) for reliable sub-micron filtration



**Specifications**

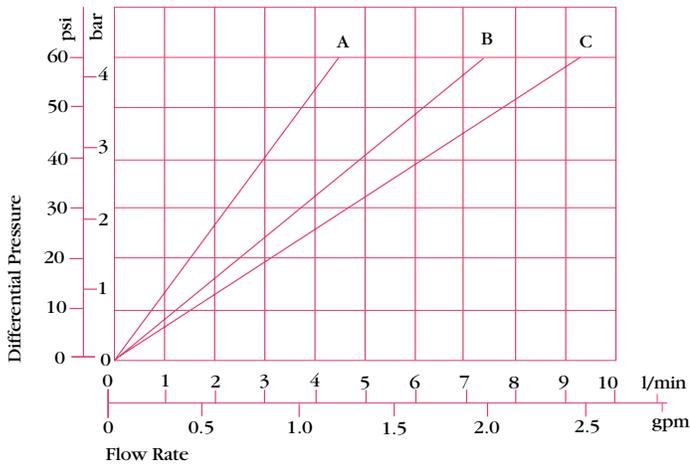
- **Bacteria removal efficiency:** removes waterborne cysts (cryptosporidium, giardia lamblia), bacteria (E.coli, salmonella typhus, brevidimonas dinimuta, etc.) associated with waterborne illnesses
- **Special features:** water quality assured throughout the useful life of the cartridge with unique end-of-life gauge provided with 2.7" diameter cartridges only
- **Ceramic media:** sintered diatomaceous earth
- **Cartridge Components:** Noryl end caps with buna-n o-rings or buna-n gaskets
- **Operating Pressure Range:** 15-100 psi (1.1-7.0 BAR)
- **Temperature Range:** 40° F to 100° F (4.4° C to 37.8° C)

**Cartridge Specifications and Performance Data**

Model	Absolute Micron Rating	Flow Rate GPM (LPM)	End Cap Style	Maximum Dimensions	Case Quantity
CR10-0.9-DOE	0.9	0.75 (2.5)	Double Open End	2.7" x 9.75" (69 mm x 248 mm)	12
CR10-0.3-222	0.3	0.4 (1.5)	222	2.7" x 9.75" (69 mm x 248 mm)	12
CR20-0.3-222	0.3	0.8 (3.0)	222	2.7" x 19.5" (69 mm x 495 mm)	4
CR10BB-0.3-DOR	0.3	0.8 (3.0)	Double O-Ring	4" x 9.75" (102 mm x 248 mm)	4
CR20BB-0.3-DOR	0.3	1.6 (6.0)	Double O-Ring	4" x 19.5" (102 mm x 495 mm)	4

**Standard Cartridge Series**

Flow Capability

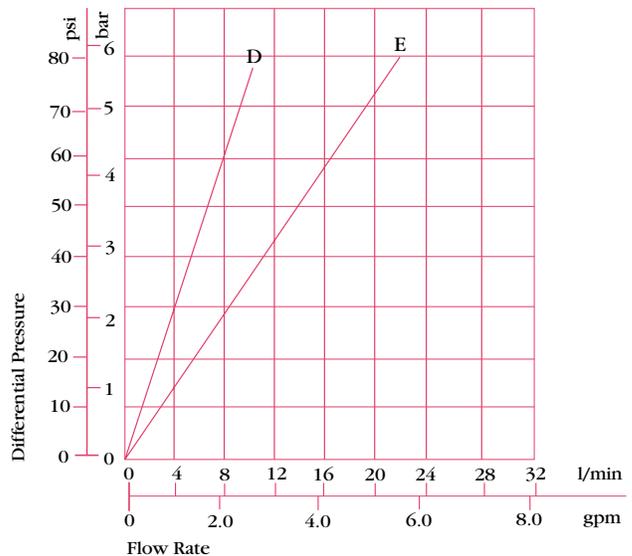


Ceramic Cartridges  
Approximate Flow Rates vs. Pressure Drop  
68° F (20° C)

- A. Model CR10-0.3-222
- B. Model CR10-0.9-DOE
- C. Model CR20-0.3-222

**Big Blue® Cartridge Series**

Flow Capability



Ceramic Cartridges  
Approximate Flow Rates vs. Pressure Drop  
68° F (20° C)

- D. CR10BB-0.3-DOR
- E. CR20BB-0.3-DOR

## C SERIES DUAL PURPOSE POWDERED-ACTIVATED CARBON



- Economically priced
- Provides sediment filtration and taste, odor and chlorine reduction
- High dirt-holding capacity
- Available in four sizes and two micron ratings
- DOE Cartridge

**Specifications**

- Filter Media: PAC-Impregnated Cellulose
- End Caps: Polypropylene (C8)  
Vinyl Plastisol (C1 and C2)
- Netting: Polyethylene
- Core: Polypropylene
- Backing: Polyester (C8) Cellulose  
Polyester (C1 and C2)
- Gasket: Buna-N (C8) (Optional EPR Gaskets)
- Temperature Rating: 40° F to 145° F (4.4° C to 62.8° C) C8  
40° F to 125° F (4.4° C to 51.7° C) C1, C2, C1-20, C1-20BB

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
C1	2-1/2" x 9-3/4" (64 mm x 248 mm)	5	4.0 psi @ 5 gpm (0.3 bar @ 19 lpm)	>5,000 gallons @ 1 gpm (>18,900 liters @ 3.8 lpm)
C2	2-1/2" x 4-7/8" (64 mm x 124 mm)	5	2.0 psi @ 2 gpm (0.1 bar @ 7.6 lpm)	>2,500 gallons @ 0.5 gpm (>9,500 liters @ 1.9 lpm)
C8	2-5/8" x 9-3/4" (67 mm x 248 mm)	1	5.0 psi @ 5 gpm (0.3 bar @ 19 lpm)	>7,500 gallons @ 1 gpm (>28,400 liters @ 3.8 lpm)
C1-20	2-1/2" x 20" (64 mm x 508 mm)	5	1.0 psi @ 5 gpm (0.1 bar @ 19 lpm)	>10,000 gallons @ 1 gpm (>38,000 liters @ 3.8 lpm)
C1-20BB	4-1/2" x 20" (114 mm x 508 mm)	5	3.0 psi @ 5 gpm (0.2 bar @ 19 lpm)	>45,000 gallons @ 4 gpm (>170,000 liters @ 15 lpm)

## NCP SERIES NON-CELLULOSE CARBON-IMPREGNATED PLEATED



- Non-cellulose media resists bacterial attack
- Provides sediment filtration and taste, odor and chlorine reduction
- Pleated for maximum dirt-loading capacity
- Nominal 10-micron rating
- DOE Cartridge

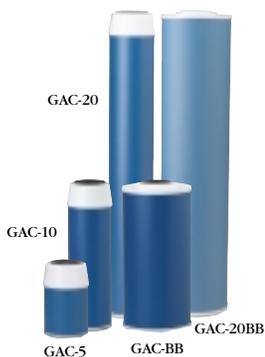
**Specifications**

- Filter Media: Pleated Carbon-Impregnated Polyester
- End Caps: Vinyl Plastisol
- Core: Polypropylene
- Netting: Polyethylene
- Temperature Rating: 40° F to 150° F  
(4.4° C to 65.6° C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
NCP-10	2-1/2" x 9-3/4" (64 mm x 248 mm)	10	<1 psi @ 3 gpm (<0.1 bar @ 11 lpm)	2,000 gallons @ 1 gpm (7,500 Liters @ 3.8 lpm)
NCP-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	10	<1 psi @ 8 gpm (<0.1 bar @ 30 lpm)	6,000 gallons @ 2 gpm (22,500 Liters @ 7.6 lpm)
NCP-20	2-1/2" x 20" (64 mm x 508 mm)	10	<1 psi @ 5 gpm (<0.1 bar @ 19 lpm)	5,000 gallons @ 2 gpm (19,000 Liters @ 7.6 lpm)
NCP-20BB	4-1/2" x 20" (114 mm x 508 mm)	10	<1 psi @ 10 gpm (<0.1 bar @ 38 lpm)	10,000 gallons @ 4 gpm (38,000 Liters @ 15 lpm)

## GAC SERIES GRANULAR-ACTIVATED CARBON CARTRIDGES



- Effective taste, odor and chlorine reduction
- Designed for maximum adsorption
- Post-filter to reduce carbon fines
- Available in a variety of sizes and flow rates
- SOE Cartridge

**Specifications**

- Filter Media: Granular-Activated Carbon
- End Caps: Polystyrene
- Post-filter: Spun Polypropylene
- Outer Casing: Polystyrene
- Expansion Pad: Polyester
- Gasket: Buna-N (top) Santoprene (bottom)
- Temperature Rating: 40° F to 125° F  
(4.4° C to 52° C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
GAC-5	2-7/8" x 4-7/8" (73 mm x 124 mm)	<1.00 psi @ 0.5 gpm (<0.1 bar @ 1.9 lpm)	>750 gallons @ 0.5 gpm (>2,800 liters @ 1.9 lpm)
GAC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	3.00 psi @ 1.0 gpm (0.2 bar @ 3.8 lpm)	>5,000 gallons @ 1.0 gpm (>18,900 liters @ 3.8 lpm)
GAC-20	2-7/8" x 20" (73 mm x 508 mm)	11.00 psi @ 2.0 gpm (0.8 bar @ 7.6 lpm)	>10,000 gallons @ 2.0 gpm (>37,800 liters @ 7.6 lpm)
GAC-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	3.00 psi @ 2.0 gpm (0.2 bar @ 7.6 lpm)	>12,500 gallons @ 2.0 gpm (>47,000 liters @ 7.6 lpm)
GAC-20BB	4-1/2" x 20" (114 mm x 508 mm)	5.00 psi @ 4.0 gpm (0.3 bar @ 15 lpm)	>30,000 gallons @ 4.0 gpm (>113,000 liters @ 15 lpm)

\* All chlorine reduction data is for 2 ppm free chlorine to < 0.5 ppm. Some data is extrapolated.

## CC SERIES COCONUT SHELL GRANULAR-ACTIVATED CARBON



- Effective taste, odor and chlorine reduction
- Greater VOC reduction than standard GAC cartridges
- Post-filter to reduce carbon fines
- Available in a variety of sizes and flow rates
- SOE Cartridge

**Specifications**

- Filter Media: Granular-Activated Carbon
- End Caps: Polystyrene
- Core: Spun Polypropylene
- Outer Casing: Polystyrene
- Expansion Pad: Polyester
- Gaskets: Buna-N (Top) Santoprene (Bottom)
- Temperature Rating: 40°F to 125°F (4.4°C to 51.7°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
CC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	3.00 psi @ 1 gpm (0.2 bar @ 3.8 lpm)	7,500 gallons @ 1 gpm (28,000 liters @ 3.8 lpm)
CC-20	2-7/8" x 20" (73 mm x 508 mm)	15.00 psi @ 2 gpm (1.0 bar @ 7.6 lpm)	15,000 gallons @ 2 gpm (56,775 liters @ 7.6 lpm)
CC-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	4.00 psi @ 2 gpm (0.3 bar @ 7.6 lpm)	50,000 gallons @ 2 gpm (189,300 liters @ 7.6 lpm)
CC-20BB	4-1/2" x 20" (114 mm x 508 mm)	10 psi @ 3 gpm (0.7 bar @ 11.4 lpm)	100,000 gallons @ 2 gpm (378,500 liters @ 7.6 lpm)

## RFC SERIES RADIAL FLOW CARBON CARTRIDGE



- Ideal for POE (whole house) and other high flow rate applications
- Unique design reduces carbon fines in filtered water
- Available in a wide variety of sizes
- DOE Cartridge

**Specifications**

- Filter Media: Granular-Activated Carbon
- Outer Shell: Polyethylene
- End Caps: Polypropylene
- Gasket: Buna-N
- Inner/Outer Wraps: Polypropylene
- Temperature Rating: 40°F to 125°F (4.4°C to 51.7°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
RFC-93	2-3/4" x 9-3/4" (70 mm x 248 mm)	0.71 psi @ 1 gpm (0.05 bar @ 3.8 lpm)	>2,000 gallons @ 1 gpm 7,600 liters @ 3.8 lpm
RFC-20	2-3/4" x 20" (70 mm x 508 mm)	0.31 psi @ 1 gpm (0.02 bar @ 3.8 lpm)	>15,000 gallons @ 1 gpm 56,800 liters @ 3.8 lpm
RFC-BB	4-1/2" x 9-3/4" (114 mm x 248 mm)	0.31 psi @ 2 gpm (0.02 bar @ 7.6 lpm)	>35,000 gallons @ 2 gpm 132,500 liters @ 7.6 lpm
RFC-20-BB	4-1/2" x 20" (114 mm x 508 mm)	0.12 psi @ 3 gpm (>0.01 bar @ 11.4 lpm)	>100,000 gallons @ 4 gpm 378,500 liters @ 15.1 lpm

## CGAC-10 GRANULAR-ACTIVATED CARBON CARTRIDGE



- Effective taste, odor and chlorine and chloramine reduction
- Advanced catalytic carbon media
- Designed for maximum adsorption
- Post-filter to reduce carbon fines
- SOE Cartridge

**Specifications**

- Filter Media: Catalytic Carbon
- End Caps: Polystyrene
- Post-filter: Spun Polypropylene
- Outer Casing: Polystyrene
- Expansion Pad: Polyester
- Gasket: Buna-N (top) Santoprene (bottom)
- Temperature Rating: 40°F to 125°F (4.4°C to 51.7°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)	Chloramine Reduction*
CGAC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	<20.00 psi @ 1.0 gpm (<1.38 bar @ 3.8 lpm)	>2,000 gallons @ 1.0 gpm (>7,570 liters @ 3.8 lpm)	2,000 gallons @ 1 gpm (7,570 liters @ 3.8 lpm)

\*Chloramine reduction tested at recommended maximum flow rate, 3 ppm reduced to <0.5 ppm.

\*All chlorine reduction data is for 2 ppm free chlorine to < 0.5 ppm. Some data is extrapolated.

## EPM SERIES MODIFIED EPSILON CARBON-BRIQUETTE CARTRIDGES



- Economically priced
- High porosity maximizes utilization of the carbon block
- Greater chlorine-removal capacity than competitive 10-micron carbon blocks
- Nominal 10-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Bonded Powdered-Activated Carbon
- End Caps: Polypropylene
- Outer Wrap: Polypropylene
- Netting: Polypropylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 180°F (4.4°C to 82.2°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
EPM-10	2-7/8" x 9-3/4" (73 mm x 247 mm)	10	0.34 psi @ 1 gpm (0.02 bar @ 3.8 lpm)	>3,000 gallons @ 1 gpm (>11,400 liters @ 3.8 lpm)
EPM-20	2-7/8" x 20" (73 mm x 508 mm)	10	0.25 psi @ 2 gpm (0.02 bar @ 7.6 lpm)	>6,000 gallons @ 2 gpm (>22,700 liters @ 7.6 lpm)
EPM-BB	4-5/8" x 9-3/4" (117 mm x 247 mm)	10	0.38 psi @ 2 gpm (0.03 bar @ 7.6 lpm)	>11,000 gallons @ 2 gpm (>41,600 liters @ 7.6 lpm)
EPM-20BB	4-5/8" x 20" (117 mm x 508 mm)	10	0.60 psi @ 4 gpm (0.04 bar @ 15 lpm)	>20,000 gallons @ 4 gpm (>75,700 liters @ 15 lpm)

## EP SERIES CARBON-BRIQUETTE



- High-dirt-holding tolerance maximizes utilization of the carbon block
- Greater chlorine removal capacity than competitive 10-micron carbon blocks
- Nominal 5-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Bonded Powdered-Activated Carbon
- End Caps: Polypropylene
- Netting: Polypropylene
- Inner/Outer Wrap: Polypropylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 180°F (4.4°C to 82.2°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
EP-10	2-7/8" x 9-3/4" (73 mm x 247 mm)	5	1.35 psi @ 1 gpm (0.09 bar @ 3.8 lpm)	>6,000 gallons @ 1 gpm (22,700 liters @ 3.8 lpm)
EP-20	2-7/8" x 20" (73 mm x 508 mm)	5	1.42 psi @ 2 gpm (0.10 bar @ 7.6 lpm)	>12,000 gallons @ 2 gpm (45,400 liters @ 7.6 lpm)
EP-BB	4-5/8" x 9-3/4" (117 mm x 247 mm)	5	1.6 psi @ 2 gpm (0.11 bar @ 7.6 lpm)	>22,000 gallons @ 2 gpm (83,300 liters @ 7.6 lpm)
EP-20BB	4-5/8" x 20" (117 mm x 508 mm)	5	2.5 psi @ 4 gpm (0.17 bar @ 15.1 lpm)	>40,000 gallons @ 4 gpm (151,400 liters @ 15.1 lpm)

## CBC SERIES CARBON-BRIQUETTE



- Reduces taste, odor, chlorine and certain VOCs from drinking water<sup>†</sup>
- Effective at filtering *Cryptosporidium* and *Giardia* cysts<sup>†</sup>
- High-capacity chlorine reduction
- Nominal 0.5-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Bonded Powdered-Activated Carbon
- End Caps: Polypropylene
- Inner/Outer Wraps: Polypropylene
- Netting: Polyethylene
- Temperature Rating: 40°F to 180°F (4.4°C to 82.2°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
CBC-5	2-7/8" x 4-7/8" (73mm x 124mm)	0.5	7.0 psi @ 1 gpm (0.48 bar @ 3.8 lpm)	>3,000 gallons @ 1 gpm >11,400 liters @ 3.8 lpm
CBC-10	2-7/8" x 9-3/4" (73mm x 248mm)	0.5	3.7 psi @ 1 gpm (0.26 bar @ 3.8 lpm)	>20,000 gallons @ 1 gpm >75,700 liters @ 3.8 lpm
CBC-20	2-7/8" x 20" (73mm x 508mm)	0.5	3.0 psi @ 2 gpm (0.21 bar @ 7.6 lpm)	>45,000 gallons @ 2 gpm >170,300 liters @ 7.6 lpm
CBC-BB	4-5/8" x 9-3/4" (117mm x 248mm)	0.5	4.6 psi @ 2 gpm (0.32 bar @ 7.6 lpm)	>50,000 gallons @ 2 gpm >189,300 liters @ 7.6 lpm
CBC-20BB	4-5/8" x 20" (117mm x 508mm)	0.5	8.5 psi @ 4 gpm (0.59 bar @ 15.1 lpm)	>150,000 gallons @ 4 gpm >567,800 liters @ 15.1 lpm

<sup>†</sup> Not performance tested or certified by NSE Certain states require system registration for health concerns.

\* All chlorine reduction data is for 2 ppm free chlorine to < 0.5 ppm. Some data is extrapolated.

## CCBC SERIES COCONUT BASED CARBON BLOCK CARTRIDGES



CCBC-10

- Water-washed coconut-carbon formulation
- Reduces taste/odor/chlorine and certain VOCs from drinking water
- Effective at filtering *Cryptosporidium* and *Giardia* cysts
- Nominal 1-micron rating
- DOE Cartridge

**Specifications**

- Filter Media: Water-Washed Coconut Based Carbon
- End Caps: Polypropylene
- Inner/Outer Wraps: Polypropylene
- Netting: Polyethylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 180°F (4.4°C to 82.2°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
CCBC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	0.5	3.3 psi @ 1 gpm (0.23 bar @ 3.8 lpm)	>20,000 gallons @ 1 gpm (18,900 liters @ 3.8 lpm)

## CEP SERIES COCONUT BASED CARBON BLOCK CARTRIDGES



- Acid-washed coconut-carbon formulation
- Low extractable, minimal pH rise
- Nominal 5-micron rating
- Greater chlorine removal capacity than competitive 10-micron carbon blocks
- DOE Cartridge

**Specifications**

- Filter Media: Acid-Washed Coconut Based Carbon
- End Caps: Polypropylene
- Inner/Outer Wraps: Polypropylene
- Netting: Polypropylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 125°F (4.4°C to 51.7°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
CEP-10E	2-7/8" x 9-3/4" (73 mm x 248 mm)	5	1.5 psi @ 1 gpm (0.1 bar @ 3.8 lpm)	>5,000 gallons @ 1 gpm (18,900 liters @ 3.8 lpm)
CEP-20E gpm	2-7/8" x 20" (73 mm x 508 mm)	5	1.35 psi @ 2 gpm (0.09 bar @ 7.6 lpm)	>10,000 gallons @ 1 (37,800 liters @ 3.8 lpm)
CEP-10EBB gpm	4-5/8" x 9-3/4" (117 mm x 248 mm)	5	1.90 psi @ 2 gpm (0.13 bar @ 7.6 lpm)	>18,000 gallons @ 2 (37,800 liters @ 7.6 lpm)
CEP-20EBB	4-5/8" x 20" (117 mm x 508 mm)	5	2.95 psi @ 4 gpm (0.2 bar @ 15 lpm)	>32,000 gallons @ 4 gpm (75,700 liters @ 15 lpm)

## CBR2 SERIES CARBON-BRIQUETTE MULTIMEDIA



- Lead reduction through 2000 gallons<sup>†</sup>
- 99.95% reduction of *Cryptosporidium* and *Giardia* cysts<sup>†</sup>
- Nominal 0.5-micron sediment filtration

**Specifications**

- Filter Media: Bonded Powdered-Activated Carbon
- End Caps: Polypropylene
- Outer Wrap: Polypropylene
- Netting: Polyethylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 180°F (4.4°C to 82.2°C)

**Cartridge Specifications and Performance Data\***

Model	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
CBR2-10	2-7/8" x 9-3/4" (73 mm x 247 mm)	0.5	3.3 psi @ 1.0 gpm (0.23 bar @ 3.8 lpm)	>20,000 gallons @ 1.0 gpm (>75,700 liters @ 3.8 lpm)
CBR2-10R	2-7/8" x 9-3/4" (73 mm x 247 mm)	0.5	Flow restricted to 0.6 gpm (2.3 lpm) with built-in flow restrictor	>20,000 gallons @ 0.6 gpm (>75,700 liters @ 2.3 lpm)
CCBR2-10	2-7/8" x 9-3/4" (73 mm x 247 mm)	0.5	3.3 psi @ 1.0 gpm (0.23 bar @ 3.8 lpm)	>20,000 gallons @ 1.0 gpm (>75,700 liters @ 3.8 lpm)

<sup>†</sup> Not performance tested or certified by NSF. Certain states require system registration for health concerns.

\*All chlorine reduction data is for 2 ppm free chlorine to < 0.5 ppm. Some data is extrapolated.

TSGAC SERIES SPECIALTY GRANULAR-ACTIVATED CARBON/PHOSPHATE CARTRIDGES



TSGAC-10

- *Effective taste, odor and chlorine reduction*
- *Phosphate crystals reduce rust stains and scale deposits*
- *Designed for maximum adsorption*
- *Post-filter to reduce carbon fines*
- *SOE Cartridge*

Cartridge Specifications and Performance Data\*

Model	Maximum Dimensions	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Reduction @ Flow Rate (gpm)
TSGAC-10	2-7/8" x 9-3/4" (73 mm x 248 mm)	4.00 psi @ 2 gpm (0.3 bar @ 7.6 lpm)	>500 gallons @ 1 gpm >1,892 liters @ 3.8 lpm

Specifications

- Filter Media: Granular-Activated Carbon Hexametaphosphate Crystals
- End Caps: Polystyrene
- Post-filter: Spun Polypropylene
- Outer Casing: Polystyrene
- Expansion Pad: Polyester
- Gasket: Buna-N (top) Santoprene (bottom)
- Temperature Rating: 40°F to 125°F (4.4°C to 51.7°C)

PCC SERIES HEXAMETAPHOSPHATE CRYSTAL CARTRIDGES



PCC106

PCC1

PCC212  
PCC218

- *Highly effective at treating scale, corrosion and iron problems*
- *Ideal for a variety of food service equipment, as well as other types of water processing equipment*
- *PCC1 for use in 3/4" housings only*
- *SOE Cartridge*

Cartridge Specifications and Performance Data

Model	Dimensions	Recommended Flow Rate
PCC1	2-7/8" x 9-5/8" (73 mm x 244 mm)	Up to 5 gpm (19 lpm)
PCC106	1-1/16" x 5-7/16" (27 mm x 138 mm)	1 to 1.5 gpm (4 to 6 lpm) (for insertion in center core of open core cartridges)
PCC212	2-5/8" x 9-3/4" (67 mm x 248 mm)	1 to 1.5 gpm (4 to 6 lpm)
PCC218	2-5/8" x 10" (67 mm x 248 mm)	1.5 to 2.5 gpm (6 to 10 lpm)

Specifications

- Filter Media: Food Grade Polyphosphate
- Shell: Polypropylene
- Pre-filter: Polyester (PCC212 & 218)
- Post-filter: Polypropylene (PCC212 & 218)
- Gasket: Buna-N (PCC212 & 218)
- Temperature Rating: 40°F to 100°F (4.4°C to 37.8°C)

PCF SERIES MIXED BED DEIONIZATION CARTRIDGES



PCF1-20MB

PCF1-10MB

BBF1-20MB

- *Designed for deionizing water up to 16 megaohms*
- *All materials and construction are FDA-compliant*
- *Three sizes and capacities*
- *SOE Cartridge*

Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Capacity Grains (mg TDS as CaCO <sub>3</sub> )	Initial ΔP (psi) @ Flow Rate (gpm)	Suggested Flow Rate
PCF1-10MB	2-2/3" x 9-3/4" (68 mm x 248 mm)	270 (17,500)	1.5 psi @ 0.25 gpm (0.1 bar @ .95 lpm)	0.25 gpm (0.95 lpm)
PCF1-20MB	2-2/3" x 20" (68 mm x 511 mm)	600 (38,800)	3.4 psi @ 0.50 gpm (0.23 bar @ 1.9 lpm)	0.50 gpm (1.9 lpm)
BBF1-20MB	4-1/2" x 20" (114 x 511 mm)	1850 (120,000)	1.1 psi @ 1.25 gpm (0.76 bar @ 4.7 lpm)	1.25 gpm (4.7 lpm)

Specifications

- Filter Media: Mixed Bed DI Resins
- End Caps: Polypropylene
- Shell: Polypropylene
- Pre-filter: Polyester
- Post-filter: Polypropylene
- Gaskets: Buna-N
- Temperature Rating: 40°F to 100°F (4.4°C to 37.8°C)

\*All chlorine reduction data is for 2 ppm free chlorine to < 0.5 ppm. Some data is extrapolated.

## WATER SOFTENING CARTRIDGES



- Convenient cartridge change-out
- Manufactured with FDA-grade softener resin
- 750 to 4500 grain capacity available (grains as CaCO<sub>3</sub>)
- For use in standard and Big Blue® filter housings
- SOE Cartridge

### Specifications

- Filter Media: Standard Softener Resin
- End Caps: Polypropylene
- Gasket: Buna-N
- Temperature Rating: 100° F (37.8° C)

### Cartridge Specifications and Performance Data

Model	Dimensions	Recommended Flow Rates	Capacity Grains (mg TDS as CaCO <sub>3</sub> )
WS-10	2-5/8" x 9-3/4" (67 mm x 248 mm)	0.50 gpm (1.9 lpm)	750
WS-20	2-5/8" x 20" (67 mm x 508 mm)	0.75 gpm (2.8 lpm)	1,500
WS-20BB	4-1/2" x 20" (114 mm x 508 mm)	2.0 gpm (8.5 lpm)	4,500

## RADIAL FLOW IRON REDUCTION



RFFE20-BB

- Easily and effectively reduces iron in water up to 3 ppm
- Improves flavor and reduces the metallic taste caused by iron
- Reduces the possibility of pipe and water heater damage
- For use in 20-inch Big Blue® filter housings
- To be used with R30-20BB sediment pre-filter and RFC-20BB carbon post-filter
- Use with BBFS-222
- Dimensions: 4-1/2" x 20-1/8"  
(114 mm x 511 mm)
- SOE Cartridge

### Recommended Operating Conditions

- pH: >7.0
- Silica: <100 ppm
- Manganese: <1 ppm
- Iron: <3 ppm
- Iron Bacteria: None
- Hydrogen Sulfide: None

### Approximate Life of the System

Iron Level in Water	Total Gallons Water Used	250 GPD (Four People)	125 GPD (Two People)	75 GPD (One Person)
5 ppm	16,000 gal	64 days	128 days	256 days
4 ppm	20,000 gal	80 days	160 days	320 days
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	1280 days
0.5 ppm	160,000 gal	640 days	1280 days	N/A

## OAC-20BB OIL ADSORBING



OAC-20BB

- High-efficiency removal of oils or glycol
- Instantaneous adsorption, more effective than activated carbon
- up to 90-95% of total hydrocarbons are removed in a single pass
- For use in 20-inch Big Blue® filter housings
- DOE Cartridge

### Specifications

- Filter Media: Modified Cellulose
- End Caps: PVC Plastisol
- Core: Natural Polypropylene
- Netting: Polyethylene
- Temperature Rating: 40° F to 125° F  
(4.4° C to 51.7° C)
- Media Area: 18 sq ft (1.6 sq m)
- Media Weight: 1.75 lbs (0.8 kg)
- Dimensions: 4-1/2" x 20-1/8" (114 mm x 511 mm)
- Recommended Flow Rate: 5-10 gpm

### Performance Data Information

Hydrocarbon (PPM)	Concentration % by weight	Hydrocarbon Removal Per Min. (grams)	Estimated life in Hours	Gallons fluid Treated	Estimated Cost per Gallon of Treated Fluid
10	0.001	0.36	106	63,308	0.001
100	0.01	3.6	10.6	6,330	0.01
1000	0.1	36	1.1	633	0.11

Note: Operating flow will vary based on applications, type of pollutants, flow rates and level of contamination. Disposal: Safe and acceptable method to meet all local and EPA regulations is recommended. End user is responsible for safe disposal of used cartridge at user's cost. Consult factory for additional information.

### Performance

Oil Adsorbing cartridge typically reduces hydrocarbon containment up to 90-95 percent in a single pass. Lower outlet levels of hydrocarbons can be achieved by connecting cartridges in series. Higher flow rates also can be achieved by connecting cartridges in parallel to each other.

For hydrocarbon-adsorbing capacity: The cartridge media has the potential to remove up to 2270 grams (5 lbs.) hydrocarbon contaminant. On this basis, the table above provides expected life data in hours or gallons at several contaminant levels based on a 10 gpm flow rate per 4.5" x 20" cartridge.

**NOTE:** Not for use on potable water.

**SEALED IN-LINE FILTERS**



IC-101  
TS-101  
SC-101  
IL-501  
TS-501

- Provide taste, odor and chlorine reduction
- Injection molded and pressure rated to 125 psi
- All in-line filters include a pre- and post-filter

**Specifications**

- Body: Reinforced Polypropylene
- Cap: Reinforced Polypropylene
- Pre-filter and Post-filter: Polyester
- Carbon: Coconut Shell GAC
- Maximum Temperature: 100° F (37.8° C)
- Operating Pressure: 125 psi (8.62 bar)
- 1/4" Inlet and Outlet

**Cartridge Specifications and Performance Data**

Model	Media	Maximum Dimensions	Estimated Life	Flow Rate
IC-101	Coconut Shell GAC 17 cu. in.	2" x 10-1/2" (51 mm x 270 mm)	2,500 gallons (9,460 liters)	0.75 gpm (2.8 lpm)
IL-501	Coconut Shell GAC 27 cu. in.	2-1/2" x 10-1/2" (63.5 mm x 270 mm)	4,300 gallons (16,300 liters)	0.75 gpm (2.8 lpm)
SC-101	Phosphate 12 cu. in.	2" x 10-1/2" (51 mm x 270 mm)	4,000 gallons (15,100 liters)	0.75 gpm (2.8 lpm)
TS-101	Phosphate/GAC 16 cu. in.	2 x 10-1/2" (51 mm x 270 mm)	1,700 gallons (6,450 liters)	0.75 gpm (2.8 lpm)
TS-501	Phosphate/GAC 25 cu. in.	2-1/2" x 10-1/2" (63.5 mm x 270 mm)	approximately 6 months	0.75 gpm (2.8 lpm)

**COUNTERTOP WATER FILTER**



#10 CTR-1112A

- Portable, countertop design
- Mounts quickly and easily onto existing faucet - no tools required
- Standard Slim Line™ housing with self-standing cap/base accommodates a wide range of filter cartridges
- Universal faucet adapter available for non-threaded faucets

**Specifications**

- Body: Polypropylene
- O-Ring: Buna-N
- Inlet/Outlet Fittings: Chrome-plated alloy
- Return Diverter Valve/Aerator Adapter: Chrome-plated alloy
- Maximum Temperature: 125° F (51.7° C)
- Cartridge Recommendations: CC-10, CBC-10, CCBC-10, CBR2-10R, CRE-1

**SHOWER FILTER**



SR-115

- Compact design mounts onto existing shower arm
- Replaceable filter cartridge (SRC-11)
- Quick and easy installation
- Filter life of up to 5000 gallons (3-6 months)

**Specifications**

- Maximum Temperature: 125° F (51.7° C)

**FAUCET FILTER FM-15**



FM-15

- Reduces lead, cysts, chlorine, taste and odor
- Filter life up to 200 gallons/2-3 months
- Quick and easy installation-no tools required.
- Replaceable carbon block activated carbon cartridge (FM-15R)

**Specifications**

- Body: FDA-Grade Reinforced Polypropylene
- O-Ring: Buna-N between base and sump
- Inlet/Outlet Fittings: Chrome-plated alloy
- Diverter Valve/Aerator Adapter: Chrome-plated alloy
- Maximum Temperature: 100° F (37.8° C)

**FAUCET-MOUNTED FILTER**



FF-100A

- Reduces chlorine, taste and odor
- Filter life of up to 400 gallons/4 months
- Quick and easy installation - no tools required
- Replaceable granular-activated carbon (GAC) filter cartridge (FC-1A)
- Compact, faucet-mounted design

**Specifications**

- Body: FDA-Grade Reinforced Polypropylene
- O-Ring: Buna-N between base and sump
- Inlet/Outlet Fittings: Chrome-plated alloy
- Diverter Valve/Aerator Adapter: Chrome-plated alloy
- Maximum Temperature: 100° F (38° C)

## ULTRAVIOLET SYSTEMS



- Available in 120v/60Hz (UV-110-1, UV-120-1) and 220v/50Hz (UV-110-2, UV-120-2) voltages
- Effective against disease-causing microbes
- Tough, durable housing

### Specifications

- End Caps: Polypropylene
- UV Sleeve: Quartz
- O-Ring: Buna-N
- Temperature Rating: 40° F - 100° F (4.4° C - 37.8° C)
- Reaction Chamber: Stainless Steel

### System Specifications

Model	Dimensions	Voltage	Hertz	Recommended Flow Rates	Operating Pressure
UV-110-1	5-1/2" x 15-1/2" (138 mm x 394 mm)	120	60	2 gpm (3.8 lpm)	65 psi (4.4 bar)
UV-110-2	5-1/2" x 15-1/2" (138 mm x 394 mm)	220	50	2 gpm (3.8 lpm)	65 psi (4.4 bar)
UV-120-1	5-1/2" x 25-1/2" (138 mm x 648 mm)	120	60	8 gpm (30.3 lpm)	65 psi (4.4 bar)
UV-120-2	5-1/2" x 25-1/2" (138 mm x 648 mm)	220	50	8 gpm (30.3 lpm)	65 psi (4.4 bar)
UVBB-120-1	7" x 29" (178 mm x 737 mm)	120	60	15 gpm (56.8 lpm)	65 psi (4.4 bar)
UVBB-120-2	7" x 29" (178 mm x 737 mm)	220	50	15 gpm (56.8 lpm)	65 psi (4.4 bar)

## REVERSE OSMOSIS

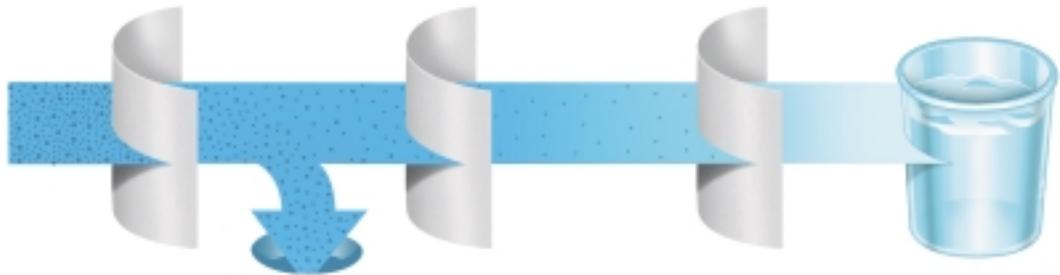
- Reduces salts, dissolved minerals, chlorine, bad taste and odor
- Produces up to 7 gallons a day (storage tank holds up to 3.2 gallons)
- Comes with installation video
- Includes filters, fittings and installation hardware

### Specifications

- Pressure Range: 40-100 psi (2.8 - 6.9 bar)
- Temperature Range: 40° F - 90° F (4.4° C - 32.2° C)
- Maximum Total Dissolved Solids: 1500 ppm
- Maximum Hardness: 10 grains/gallon
- Maximum Iron, Manganese, Sulfide: 0 ppm
- Maximum Chlorine: < 2 ppm
- Supply Water pH Limit: 4-11
- TDS Rejection: > 95%



### How RO Filtration Makes Water Taste So Good



#### Stage 1

The carbon/sediment pre-filter reduces fine particles and chlorine to prolong life of RO membrane.

#### Stage 2

The RO membrane separates water molecules from dissolved salts and minerals. Up to 95% 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.

#### Stage 3

When you turn on the drinking water faucet, the filtered water from the storage tank is sent through a carbon polishing filter, which reduces chlorine and provides final taste and odor filtration before the water reaches your glass.

#### The Result

Bottled Water Taste, Whenever You Want It!

**AUTOMATIC WATER SOFTENERS**



**Automatic Water Softeners (Consumer and Light Commercial)**

Item Number USFilter Model	162453 3200	162454 3205	162455 9740	162456 9741-54	162457 3260	162458 3275
Softener Style	Cabinet	Cabinet	Two Tanks	Two Tanks	Two Tanks	Two Tanks
Resin Tank Size	8" x 35"	10" x 35"	9" x 48"	10" x 54"	12" x 52"	14" x 65"
Brine Tank Size	18" x 18" x 45"	18" x 18" x 45"	15" x 36"	15" x 36"	21" x 36"	21" x 36"
Salt Storage	150lbs.	150lbs.	300lbs.	300lbs.	400lbs.	400lbs.
Resin Volume	0.75ft <sup>3</sup>	1ft <sup>3</sup>	1ft <sup>3</sup>	1.5ft <sup>3</sup>	2ft <sup>3</sup>	3ft <sup>3</sup>
Factory Set Capacity (Grains) based on 15 lbs Salt/cubic foot regeneration	25,000	33,300	33,300	49,950	66,600	99,900
Exchange Capacity (Grains) based on 10 lbs Salt/cubic foot regeneration	18,600	24,800	24,800	39,960	49,600	74,400
Peak Flow @ 15PSI Drop (GPM)	8	12	11	12	15	15
Service Flow Rate (GPM)	6	10	9	10	13	10
Total Hardness (Grains)	60	60	60	60	60	60
Total Iron Removal (PPM)	2	2	2	2	2	2
Back Wash Rate (GPM)	1.5	2.4	2	2.4	3.5	5
Filter Media Type	-	-	-	-	-	-
By-Pass Valve Size (3/4" included)	Yes	Yes	Yes	Yes	Yes	Yes
Valve Model (Fleck)	5600	5600	6700	6700	5600	5600
Connection Size Inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Control Power Requirement	120VAC,60Hz	120VAC,60Hz	120VAC,60Hz	120VAC,60Hz	120VAC,60Hz	120VAC,60Hz
Installation Space Requirements	18"x 18" x 45"	18" x 18" x 45"	15" x 37" x 63"	15" x 37" x 69"	21" x 45" x 67"	21" x 47" x 73"
Shipping Weight	75lbs.	85lbs.	85lbs.	110lbs.	150lbs.	215lb.

**5600 Valve**

- Saves up to 50% on salt, saves water and reduces sewage taxes\*
- Simple and dependable mechanical meter
- Monitors water usage even during power failure
- Initiates regeneration only when needed
- 3/4" inlet/outlet
- Bypass valve included
- Valve body and meter module are molded from glass-reinforced Noryl® for exceptional strength and durability

\*Versus time clock softeners



9740/9741-54

**6700 Valve**

- Solid state microprocessor with LCD display
- Standard 9V alkaline battery backup (Battery not included)
- Pressure sealed hood protects against moisture, dust and dirt
- 3/4" inlet/outlet
- Bypass valve included
- LED status indicators display time of day, usable capacity remaining and regeneration cycle in progress

**COMMERCIAL/INDUSTRIAL SOFTENERS**



01423-S4

01427-S4  
01432-S4

**2750 Valve**

- Suitable for large residential/light commercial applications
- Excellent flow rates
- Meter initiated regeneration
- Valve body is solid lead-free alloy
- Hard water bypass feature is standard
- 1" NPT (male) inlet/outlet

**2900 Valve**

- Brings great performance and versatility to commercial/industrial applications
- Largest salt storage and hardness capacity
- Valve body is solid lead-free alloy
- 2" NPT (female) inlet/outlet
- Meter initiated regeneration

**Commercial and Industrial Softener Data Sheet**

USFilter Model	162459 O1423-S4	162460 O1427-S4	162461 O1432-S4
Softener Style	Two Tanks	Two Tanks	Two Tanks
Resin Tank Size	14x65	21x54	24x72
Brine Tank Size	21x36	24x48	30x48
Salt Storage	400	800	1200
Resin Volume	3	5	10
Exchange Capacity (Grains) Based on 15lbs. Salt/cubic Foot per regeneration.	90,000	150,000	300,000
Factory Set (Grains) Based on 10lbs. Salt/ cubic Foot per regeneration	72,000	120,000	240,000
Peak Flow @ 15psi (GPM)	18	37	40
Service Flow (GPM)	15	25	40
Total Hardness (Grains)	60	60	60
Total Iron Removal (ppm)	NR	NR	NR
Back Wash Rate (GPM)	5	12	15
Valve Model (Fleck)	2750	2900	2900
Connection Size Inch	1"	2"	2"
Shipping Weight	230 lbs.	375 lbs.	640 lbs.

## CHEMICAL CONTAMINANT FILTRATION SYSTEMS



- Multi-housing effectively reduces DBCP, EDB, TCE, PCE, THM and certain other organic chemicals from drinking water<sup>†</sup>
- Multi-housing provides, taste, odor and chlorine reduction
- Multi-housing tested per NSF Standard 53 and VOC surrogate chemical reduction test methods

### Specifications

- Cap: Polypropylene
- Housing: Polypropylene
- Bracket: Powder Coated Carbon Steel
- O-rings: Buna-N
- Tubing: Polyethylene
- Maximum Temperature: 100°F (37.8°C)
- Cartridges Included: CCF 201(2-CC10s)  
CCF 301 (1-P5 & 2-CC10s)
- Effective Life Indicator (ELI)

### Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Maximum Operating Pressure	Minimum Operating Pressure
CCF-201	10-1/2" x 5-1/4" x 14" (267 mm x 134 mm x 356 mm)	125 psi (8.62 bar)	30 psi (2.1 bar)
CCF-301	15-1/2" x 5-1/4" x 14" (394 mm x 134 mm x 356 mm)	125 psi (8.62 bar)	30 psi (2.1 bar)

**NOTE:** For use with separate dispensing faucet (included with installation kit). Dispensing flow rate restricted to 0.6 gpm for optimum performance and capacity – 1,200 gallons.

<sup>†</sup> Not performance tested or certified by NSF. Certain states require system registration for health claims.

## SLIM LINE™ AND BIG BLUE® MULTIPLE HOUSING SYSTEMS



- 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

### Specifications

- Cap: Polypropylene
- Housing: Polypropylene
- Bracket: Powder Coated Carbon Steel
- O-Rings: Buna-N
- Maximum Temperature: 100°F (37.8°C)
- Cartridges: Not included

### System Specifications and Performance Data

Model Number	Housing Qty.	Housing Size/Color	Flow Rate* (gpm) (lpm)
BFS-201	2	1/4" Slim Line™ Blue	up to 10 gpm (37.9 lpm)
BFS-201	2	3/8" Slim Line™ Blue	up to 10 gpm (37.9 lpm)
BFS-301	3	1/4" Slim Line™ Blue	up to 10 gpm (37.9 lpm)
BBFS-22	2	1" #20 Big Blue® Blue	up to 40 gpm (151.4 lpm)
BBFS-222	3	1" #20 Big Blue® Blue	up to 40 gpm (151.4 lpm)

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

## UMS-4 UNIVERSAL MOUNTING SYSTEM



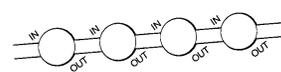
UMS-4 Series Arrangement

- Can be installed in series, parallel or combination of both
- Manufactured from pultruded fiberglass for strength and fire resistance
- Holds up to 4 Big Blue® filter housings or bag vessel assemblies

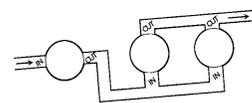
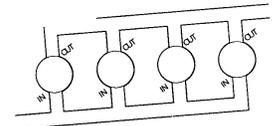
### Specifications

- Piping and Housing: Not included
- Available as a kit, including hardware
- Assembly required

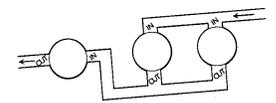
Series



Parallel



Combination-Series to Parallel



Combination-Parallel to Series

**SLIM LINE™ MOUNTING BRACKETS**

*For 1/2", 3/8" and 1/4" Housings —*

- For Slim Line™ Housings with 1/4", 3/8" and 1/2" inlet/outlet
- Constructed of zinc-plated steel.

Kit includes bracket and screws.

*Slim Line™ System Bracket —*

- For Slim Line™ housings with 1/4", 3/8" and 1/2" inlet/outlet
- 2 or 3 housing brackets available
- Made of powder-coated carbon steel

**3/4" STANDARD HOUSING BRACKETS**

*For Mounting Caps with Bosses —*

- The MC-1 bracket is made for 3/4" (19 mm) housings with bosses only.
- Constructed of zinc-plated steel.
- Not for use on valve-in-head housings

Kit includes bracket and screws.

*For 3/4" Housings —*

- The UB-1 bracket is made for 3/4" (19 mm) inlet/outlet housings only.
- Constructed of zinc-plated steel.

Kit includes bracket and screws.

**BIG BLUE® HOUSING BRACKETS**

*For Big Blue® Housings —*

- Brackets are made for Big Blue® housings only.
- Available in both aluminum (WBA) for use with 10" Big Blue® only and stainless steel (WB-SS) for use with 10" and 20" Big Blue®.

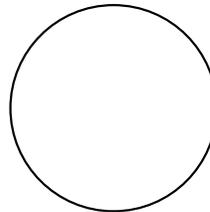
Both kits include bracket and screws.

*Big Blue® System Bracket*

- For Big Blue® housings with 3/4", 1", and 1-1/2" inlet/outlet
- 2 or 3 housing brackets available
- Made of powder-coated carbon steel

*Bag Housing Stand —*

- Big Blue® bag housings
- Big Blue® cartridge housings
- Made of SuperFlexon®



**CARTRIDGE COUPLERS**

*Standard Coupler —*

- Available for standard Double Open End (DOE) cartridges.
- Material: Polypropylene

*Big Blue® Coupler —*

- Available for Big Blue® (4-1/2" diameter) DOE Cartridges.
- Material: Polypropylene

**SELF PIERCING VALVE**

- Stainless steel construction

**SPANNER WRENCHES**

*Use To Loosen Sump When Changing Cartridges —*

- SW1: Plastic—for Slim Line™ 1/4", 3/8" and 1/2" housings
- SW2: Plastic—for 3/4" standard housings
- SW3: Plastic—for 3/4", 1" and 1-1/2" #10 Big Blue® housings
- SW4: Plastic—for 3/4", 1" and 1-1/2" #20 Big Blue® housings

**SUMP EXTENSION**

- Used for All Natural Polypropylene Housings
- Material: Polypropylene

**O-RINGS**

*Buna-N FDA Grade*

- #237 for 1/4", 3/8" and 1/2" Slim Line™ housings
- #241 for 3/4" inlet/outlet housings
- Big Blue® O-Ring for 3/4", 1" and 1-1/2" Big Blue® housings

*Silicone FDA Grade*

- #237 for 1/4", 3/8" and 1/2" Slim Line™ housings
- #241 for 3/4" inlet/outlet housings

*Viton®*

- #237 for 1/4", 3/8" and 1/2" Slim Line™ housings
- #241 for 3/4" inlet/outlet housings