



## WATER FILTRATION PRODUCTS

### Housings



#### Standard Housings

##### 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 (52° C)
- Maximum Pressure: 125 psi (8.6 bar)
- Pipe Size: 3/4" NPT

Housing Performance Data	
Part No.	Initial ΔP (psi) @ Flow Rate (GPM)
#10 Blue	1 psi @ 10 GPM (0.1 bar @ 3.8 lpm)
#10 Clear	1 psi @ 10 GPM (0.1 bar @ 3.8 lpm)
#20 Blue	1 psi @ 10 GPM (0.1 bar @ 3.8 lpm)

MB = Mounting Bracket Cap



#### High Temperature Housings

##### Specifications

- Housing: Glass-Reinforced Nylon
- Cap: Glass-Reinforced Nylon
- O-Ring: Viton®
- Maximum Temperature: 160° F (71° C) (High Temperature)  
125° F (52° C) (High Temperature Slim Line)
- Maximum Pressure: 125 psi (8.6 bar)
- Pipe Size: 1/2" and 3/4" NPT

Housing Performance Data	
Part No.	Initial ΔP (psi) @ Flow Rate (GPM)
#10 HT, 3/4"	1 psi @ 8 GPM (<0.1 bar @ 30 lpm)
#20 HT, 3/4"	1 psi @ 8 GPM (<0.1 bar @ 30 lpm)
#10 SL, 1/2"	5 psi @ 8 GPM (<0.4 bar @ 30 lpm)
#20 SL, 1/2"	5 psi @ 8 GPM (<0.4 bar @ 30 lpm)



#### All Natural Housings

##### Specifications

- Housing: All Natural Polypropylene
- Cap: All Natural Polypropylene
- O-Ring: Viton®
- Maximum Temperature: 100° F (38° C)
- Maximum Pressure: 100 psi (6.9 bar)
- Pipe Size: 3/4" NPT

Housing Performance Data	
Part No.	Initial ΔP (psi) @ Flow Rate (GPM)
#10	3 psi @ 7 GPM (0.2 bar @ 26.5 GPM)
#12	3 psi @ 7 GPM (0.2 bar @ 26.5 lpm)
#20	3 psi @ 7 GPM (0.2 bar @ 26.5 GPM)

### ST-BC Series Stainless Steel Filter Housings



##### Specifications

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

Housing Specifications and Performance Data				
Part No.	Number of Cartridges and Sizes	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 (8.6 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 (8.6 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 (8.6 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 (8.6 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 (8.6 bar)	300° F (149° C)

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

**“We Carry A Full Line Of Filter Cartridges For Commerical, Industrial & Residential Uses”**

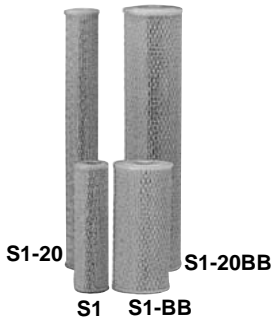
Teflon® is a registered trademark of the DuPont Company. Viton® is a registered trademark of DuPont Dow Elastomers.

**American PLUMBER WATER FILTRATION PRODUCTS**

**Cartridges.**

American Plumber cartridges endure the strictest quality control measures before entering the lineup. Composed of superior construction materials—including cellulose, polyester, polypropylene and carbon—American Plumber cartridges stand up to the toughest filtration challenges:

**Cartridges**



**S1 Series Pleated Cellulose**

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

**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 63° C)



**PP Series Polypropylene Pleated**

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

**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 63° C)

Part No.	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (GPM) Area	Surface Flow Rate	Recommended
S1	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)
S1-20	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)
S1-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)
S1-20BB	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)

Part No.	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (GPM) Area
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)



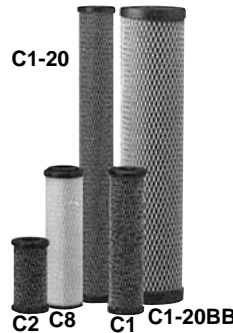
**HFCP Series Pleated Cellulose Polyester**

- 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

**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 74° C)

Part No.	Maximum Dimensions	Micron Rating (Nominal)	Initial ΔP (psi) @ Flow Rate (GPM) Area
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)



**C Series Dual Purpose Carbon-Impregnated Cellulose**

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

**Specifications**

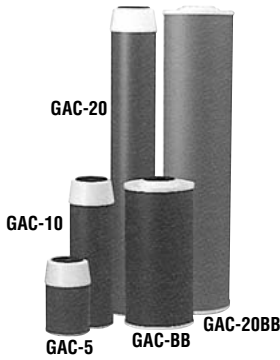
- Media: Carbon-Impregnated Cellulose
- End Caps: Polypropylene (C8) Vinyl Plastisol (C1 and C2)
- Netting: Polyethylene
- Core: Polypropylene
- Backing: Polyester (C8) Cellulose Polyester (C1 and C2)
- Gasket: Buna-N (C8)
- Temperature Rating: 40° F to 145° F (4.4° C to 63° C) C8  
40° F to 125° F (4.4° C to 52° C) C1 and C2

Part No.	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	5.0 psi @ 2 GPM (0.3 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	4.0 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	10 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)

## American PLUMBER WATER FILTRATION PRODUCTS

### Cartridges

#### 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
- Single open end up-flow 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

Part No.	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)

#### 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

#### 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 52° C)

Cartridge Specifications and Performance Data\*

Part No.	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
RFC20-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

\*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

#### Specifications

- Filter Media: Standard Softener Resin
- End Caps: Polypropylene
- Gasket: Buna-N
- Inner/Outer Wraps: Polypropylene
- Temperature Rating: 100° F (38° C)

Cartridge Specifications and Performance Data

Part No.	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



- 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
- Dimensions: 4-1/2" x 20-1/8" (114 mm x 511 mm)

#### Recommended Operating Conditions

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

#### Suggested System

- Use with R30-20BB sediment pre-filter and RFC-20BB carbon post-filter
- Use with BBFS-222 Multi-Housing System

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