

Large Capacity Housings for Higher Flow Rates

Now Available in NSF Listed Versions!



Shown are the 20" Big Blue[®] with High Flow (HFPP) Cap and the 10" Big Blue[®] with Standard Cap



The large capacity Big Blue housings are available with either 1" or 1 1/2" NPT for versatility. The sumps are constructed of reinforced polypropylene, and are available in two cap styles. The larger body size allows for greater cartridge capacity, thus reducing the number of vessels normally required in parallel installations. Housings are available in 10" and 20" lengths to best meet your needs.

The standard cap is molded of glass-reinforced ABS, and the HFPP High Flow cap is of polypropylene. The HFPP cap can handle high flow rates and is compatible with a broad range of chemicals. The internal port has been enlarged from the standard 3/4" to 1 1/4", to allow more liquid to pass through with minimum restriction. Both styles of caps are available with or without a pressure relief button. (Caps and sumps are interchangeable.)

OPTIONAL

A special polypropylene cartridge coupler is available for coupling two 9 3/4" Big Blue Cartridges, with the exception of 9 3/4" GAC cartridges.



NOTE: Housings with the HFPP Cap will only accept 4 1/2" OD Cartridges.

HOUSING SPECIFICATIONS

DIMENSIONS:

| | |
|----------------------|-------------------------------------|
| #10 Big Blue 1": | 13 1/8" by 7 1/4" (33.3 by 18.4 cm) |
| #10 Big Blue 1 1/2": | 13 5/8" by 7 1/4" (34.6 by 18.4 cm) |
| #20 Big Blue 1": | 23 3/8" by 7 1/4" (59.4 by 18.4 cm) |
| #20 Big Blue 1 1/2": | 23 7/8" by 7 1/4" (60.6 by 18.4 cm) |

RECOMMENDED FLOW RATE:

| | |
|---------------|-------------------------------|
| #10 Big Blue: | 1 to 40 GPM (3.80 to 151 LPM) |
| #20 Big Blue: | 1 to 50 GPM (3.80 to 189 LPM) |

MAXIMUM PRESSURE:

| | |
|-------------------------------------|-------------------|
| #10 Big Blue: | 100 psi (689 kPa) |
| #20 Big Blue: | 90 psi (621 kPa) |
| #20 NSF Tested and Listed Big Blue: | 125 psi (862 kPa) |

MAXIMUM TEMPERATURE:

| | |
|-------------------------------------|------------------|
| #10 and #20: | 100° F (37.7° C) |
| #20 NSF Tested and Listed Big Blue: | 100° F (37.7° C) |

NOTE: Actual maximum flow rates vs. pressure drop will be determined based on cartridge selections and fluid viscosity.

**COMBINED PRESSURE DROP FOR CARTRIDGE AND HOUSING WITH BOTH 10" AND 20" SUMPS
(EXCEPT FOR GAC AND CBC CARTRIDGE)**

| R50-BB (Single and Coupled) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | | | | | | | | |
|---|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 GPM | 10 GPM | 15 GPM | 20 GPM | 25 GPM | 30 GPM | 40 GPM | 50 GPM | 60 GPM | 70 GPM |
| 1" Inlet/Outlet HFPP Cap | <1 | 1 | 1 | 2 | 3 | 4 | 7 | 11 | 16 | ~ |
| 1 1/2" Inlet/Outlet HFPP Cap | <1 | <1 | 1 | 1 | 2 | 2 | 4 | 7 | 10 | 13 |

SPECIFICATIONS FOR R50-BB

- Pleated Polyester (2160 sq. in.) per Cartridge
- 4 1/2" OD, 9 3/4" Long, 1" ID
- 50 Micron Filtration (Nominal)
- Reusable

| R30-BB (Single and Coupled) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | | | | | | | | |
|---|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 GPM | 10 GPM | 15 GPM | 20 GPM | 25 GPM | 30 GPM | 40 GPM | 50 GPM | 60 GPM | 70 GPM |
| 1" Inlet/Outlet HFPP Cap | <1 | 1 | 1 | 2 | 3 | 4 | 7 | 15 | ~ | ~ |
| 1 1/2" Inlet/Outlet HFPP Cap | <1 | 1 | 1 | 1 | 2 | 2 | 4 | 7 | 10 | 13 |

SPECIFICATIONS FOR R30-BB

- Pleated Polyester (1872 sq. in.) per Cartridge
- 4 1/2" OD, 9 3/4" Long, 1" ID
- 30 Micron Filtration (Nominal)
- Reusable

| CP5-BB (Single and Coupled) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | | | | | | | | |
|---|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 GPM | 10 GPM | 15 GPM | 20 GPM | 25 GPM | 30 GPM | 40 GPM | 50 GPM | 60 GPM | 70 GPM |
| 1" Inlet/Outlet HFPP Cap | <1 | 1 | 2 | 3 | 4 | 5 | 8 | 13 | ~ | ~ |
| 1 1/2" Inlet/Outlet HFPP Cap | <1 | 1 | 1 | 2 | 2 | 3 | 5 | 7 | 14 | ~ |

SPECIFICATIONS FOR CP5-BB

- Pleated Cellulose Polyester (2160 sq. in.) per Cartridge
- 4 1/2" OD, 9 3/4" Long, 1" ID
- 5 Micron Filtration (Nominal)

| RFC-BB and RFC20-BB 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | | | | | | | | |
|---|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 5 GPM | 10 GPM | 15 GPM | 20 GPM | 25 GPM | 30 GPM | 40 GPM | 50 GPM | 60 GPM | 70 GPM |
| 1" Inlet/Outlet HFPP Cap | 1 | 2 | 4 | 5 | 6 | 8 | 10 | ~ | ~ | ~ |
| 1 1/2" Inlet/Outlet HFPP Cap | 1 | 2 | 4 | 5 | 6 | 7 | 9 | ~ | ~ | ~ |

SPECIFICATIONS FOR RFC-BB AND RFC20-BB

- Radial Flow Carbon Cartridge
- 4 1/2" OD, 9 3/4" Long, 1" ID & 4 1/2" OD, 20" Long, 1" ID
- 70 Micron (Nominal) Polyethylene Outer Shell; 25 Micron (Nominal) Final
- 113 cu. in. (9 3/4"), 228 cu. in. (20") of GAC

| GAC-BB (Single Cartridge) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | |
|---|-------------------------------------|-------|--------|
| | 2 GPM | 5 GPM | 10 GPM |
| 1" Inlet/Outlet HFPP Cap | 5 | 13 | 26 |
| 1 1/2" Inlet/Outlet HFPP Cap | 5 | 13 | 26 |

| GAC20-BB (Single Cartridge) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | |
|---|-------------------------------------|-------|--------|
| | 2 GPM | 5 GPM | 10 GPM |
| 1" Inlet/Outlet HFPP Cap | 7 | 23 | 52 |
| 1 1/2" Inlet/Outlet HFPP Cap | 7 | 23 | 52 |

SPECIFICATIONS FOR GAC-BB AND GAC20-BB

- 4 1/2" OD, 9 3/4" Long, & 4 1/2" OD, 20" Long.
- 134 cu. in. (9 3/4"), 276 cu. in. (20") of Granular Activated Carbon.

| CBC-BB (Single Cartridge) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | |
|---|-------------------------------------|-------|--------|
| | 2 GPM | 5 GPM | 10 GPM |
| 1" Inlet/Outlet HFPP Cap | 6 | 15 | 28 |
| 1 1/2" Inlet/Outlet HFPP Cap | 6 | 15 | 28 |

| CBC-BB (in 20" Sump) (Coupled Cartridges) 1" Inlet/Outlet HFPP Cap | APPROX. PRESSURE DROP VS. FLOW RATE | | |
|---|-------------------------------------|-------|--------|
| | 2 GPM | 5 GPM | 10 GPM |
| 1" Inlet/Outlet HFPP Cap | 3 | 7 | 13 |
| 1 1/2" Inlet/Outlet HFPP Cap | 3 | 7 | 13 |

SPECIFICATIONS FOR CBC-BB

- Granular Activated Carbon
- 4 1/2" OD, 9 3/4" Long, 1" ID
- 0.5 Micron Filtration (Nominal)
- 42 oz of Powdered Activated Carbon per Cartridge

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 unit.

CAUTION: The filter must be protected against freezing. Failure to do so may result in cracking of the filter and water leakage.

NOTE: The activated carbon cartridges will contain a very small amount of carbon fines (very fine black powder) and a new cartridge after installation should be flushed with sufficient water to remove all traces of fines from your water system before using the water. Each time you use water from your filtered water tap for drinking or cooking purposes, it is recommended that you run (flush) the tap for at least 10 seconds prior to using the water. This is particularly important if the water tap has not been used daily.

WE RESERVE THE RIGHT TO CHANGE DESIGN SPECIFICATIONS OR PRICE WITHOUT NOTICE.

"AMERICAN MADE BY THE QUALITY LEADER"



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