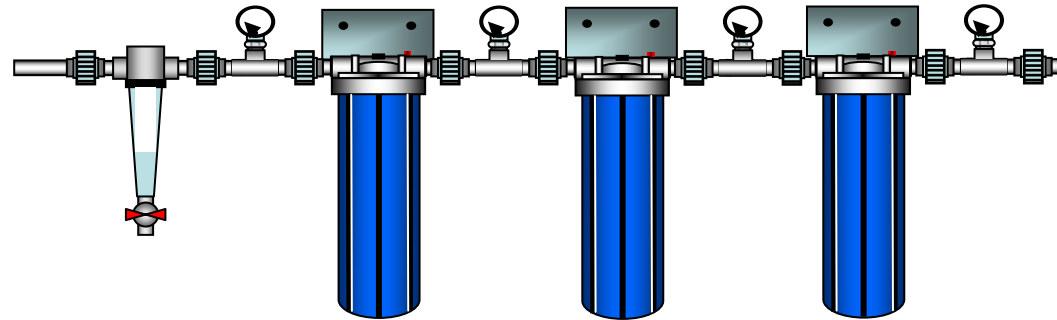
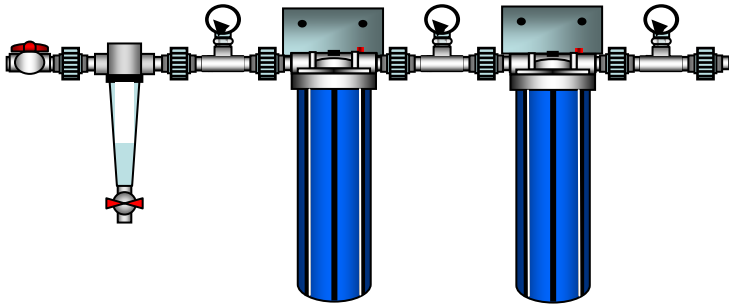
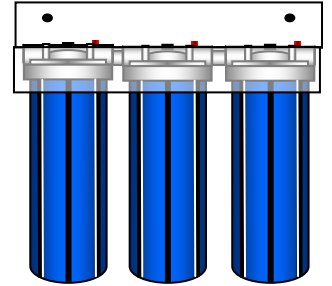
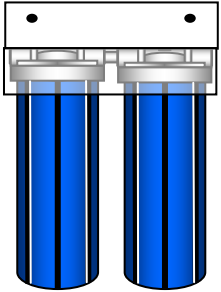
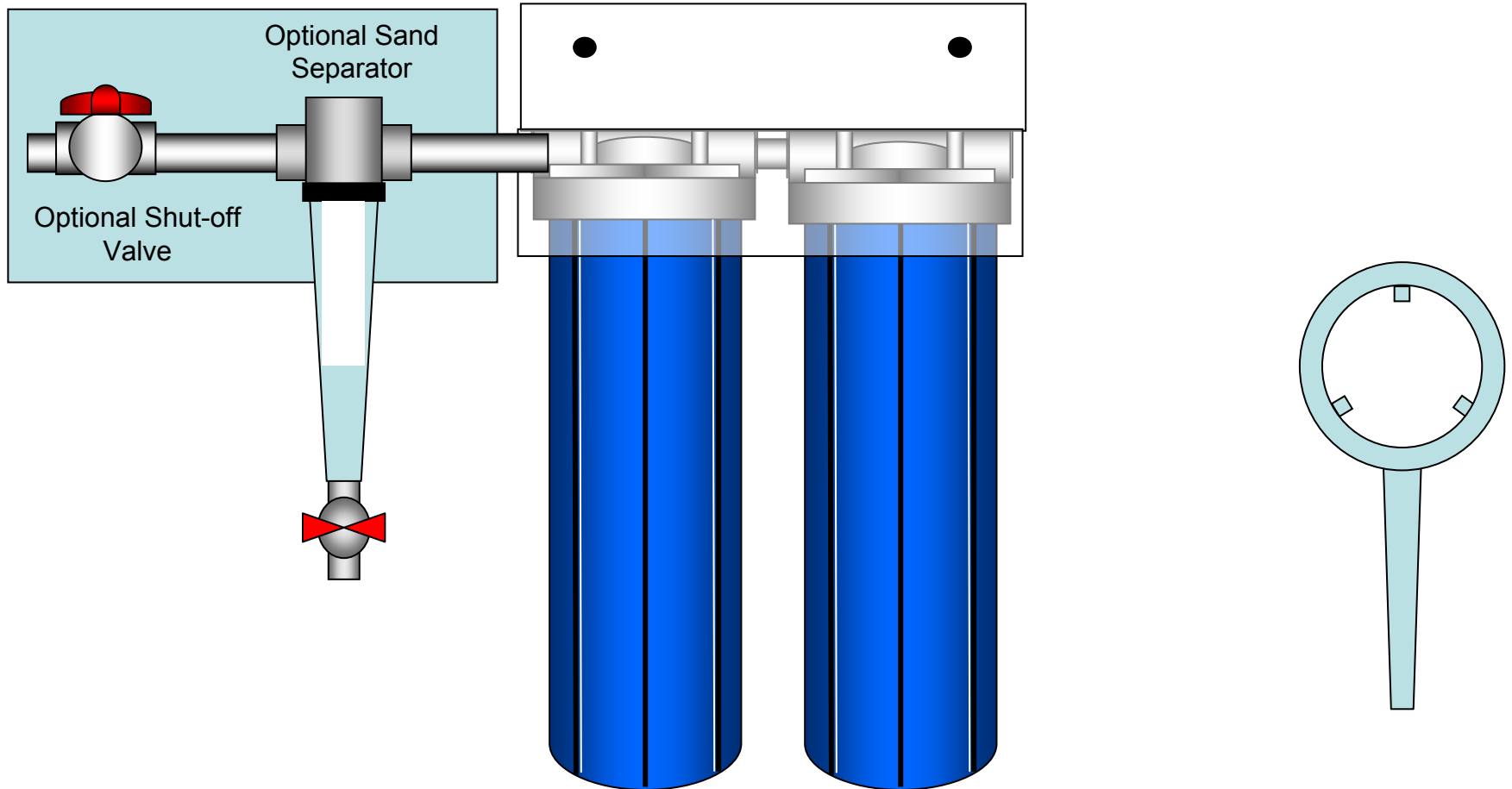


Big Blue® Well & POE Systems



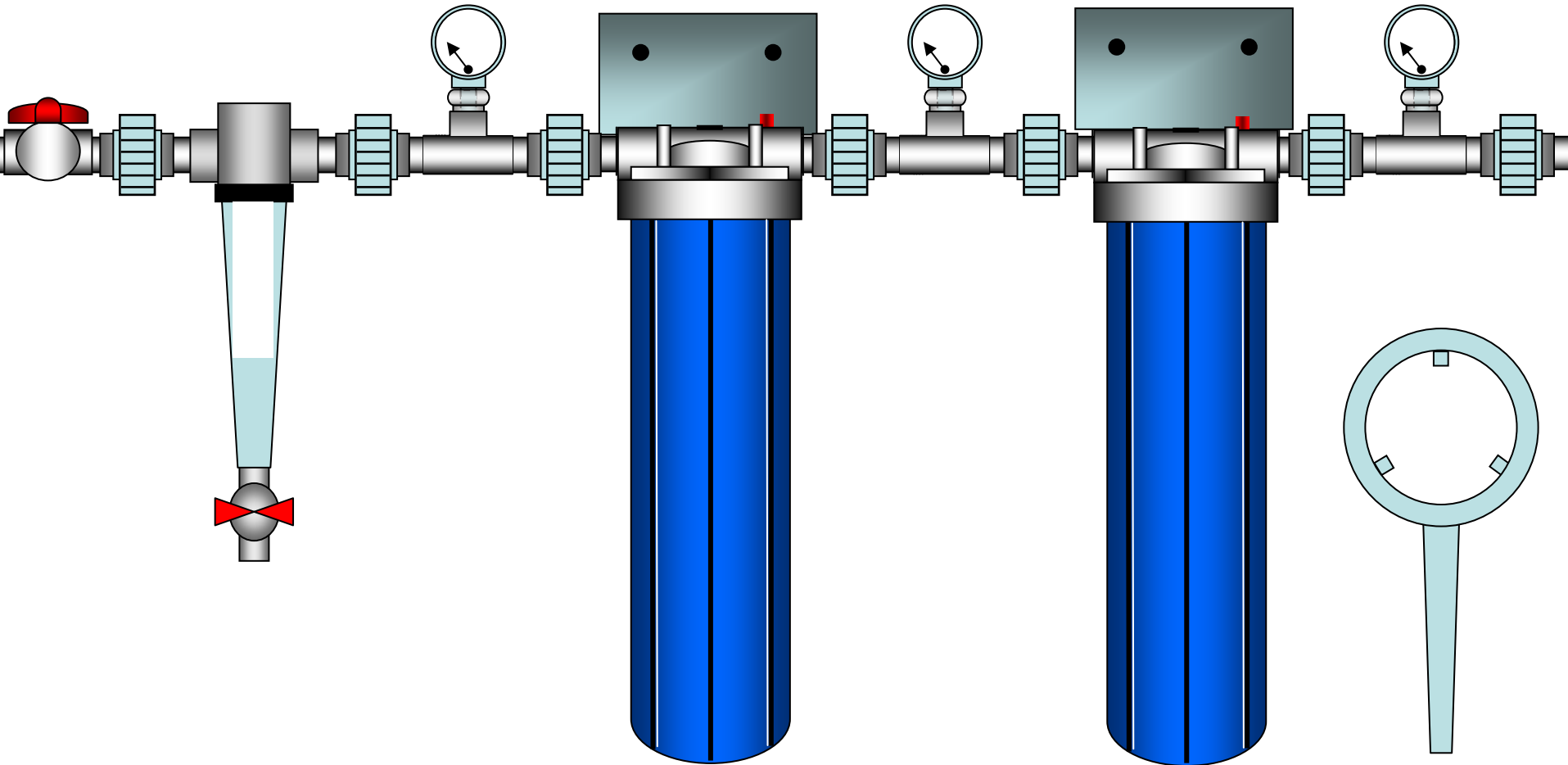
D.R. Shannon Company
23407 Pacific Highway South
Des Moines, WA 98198-8737
206.824.3308 tel
206.824.2150 fax

Big Blue® Two-Housing Standard POE System



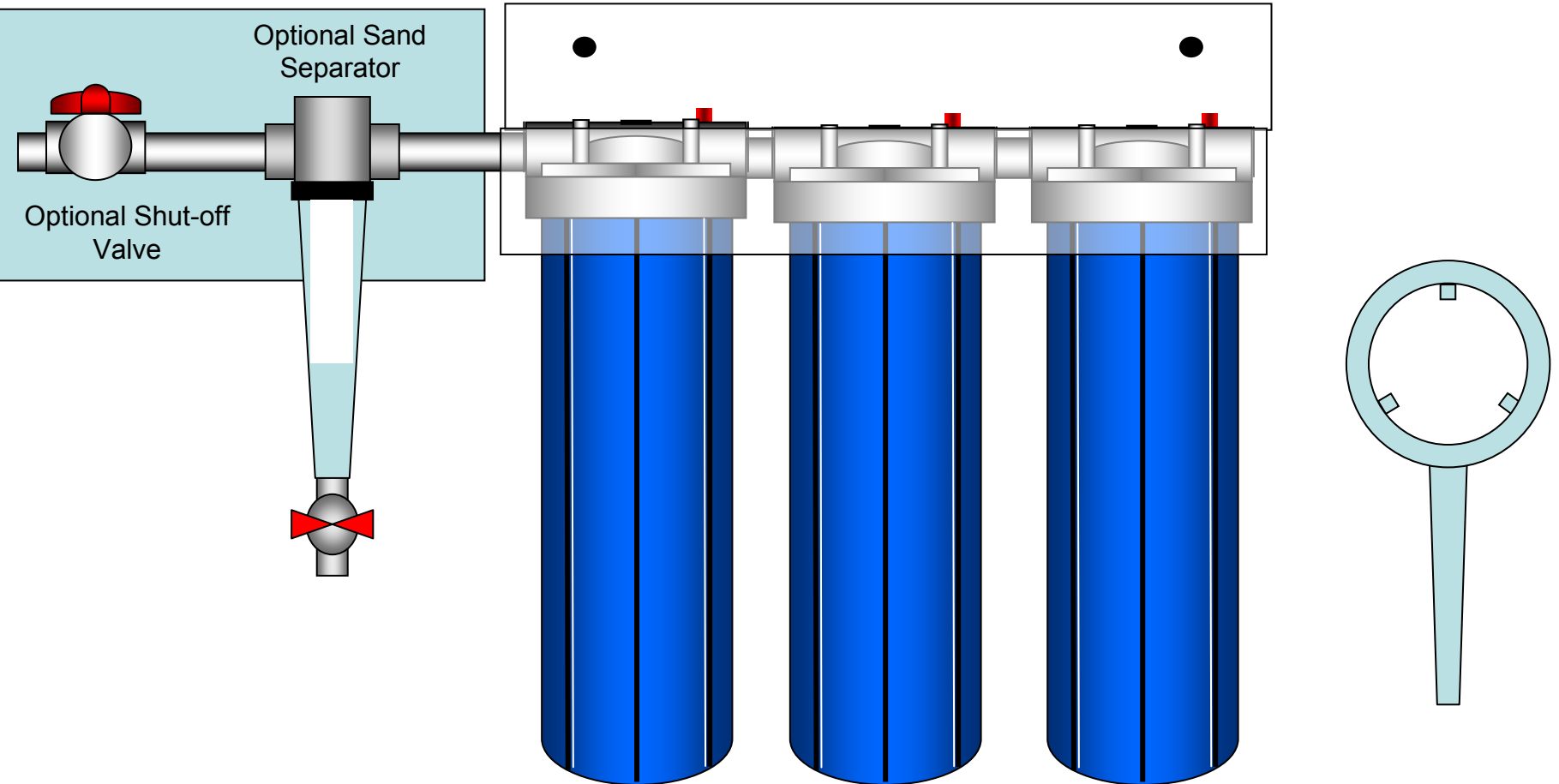
The Big Blue® Two-Housing Standard Point-of-Entry (POE) System consists two housings mounted on a single space saving bracket, capable of accepting a broad variety of cartridges in series to correct most water problems. The SW-4 sump wrench is included. Two additional options are available: (1) a shut-off valve ahead of the system to facilitate cartridge changes, (2) a sand separator to automatically remove sand particles larger than 60µm which can be manually flushed by opening a purge valve. Place a container under the valve to catch the debris for disposal.

Big Blue® Two-Housing Premium Well & POE System



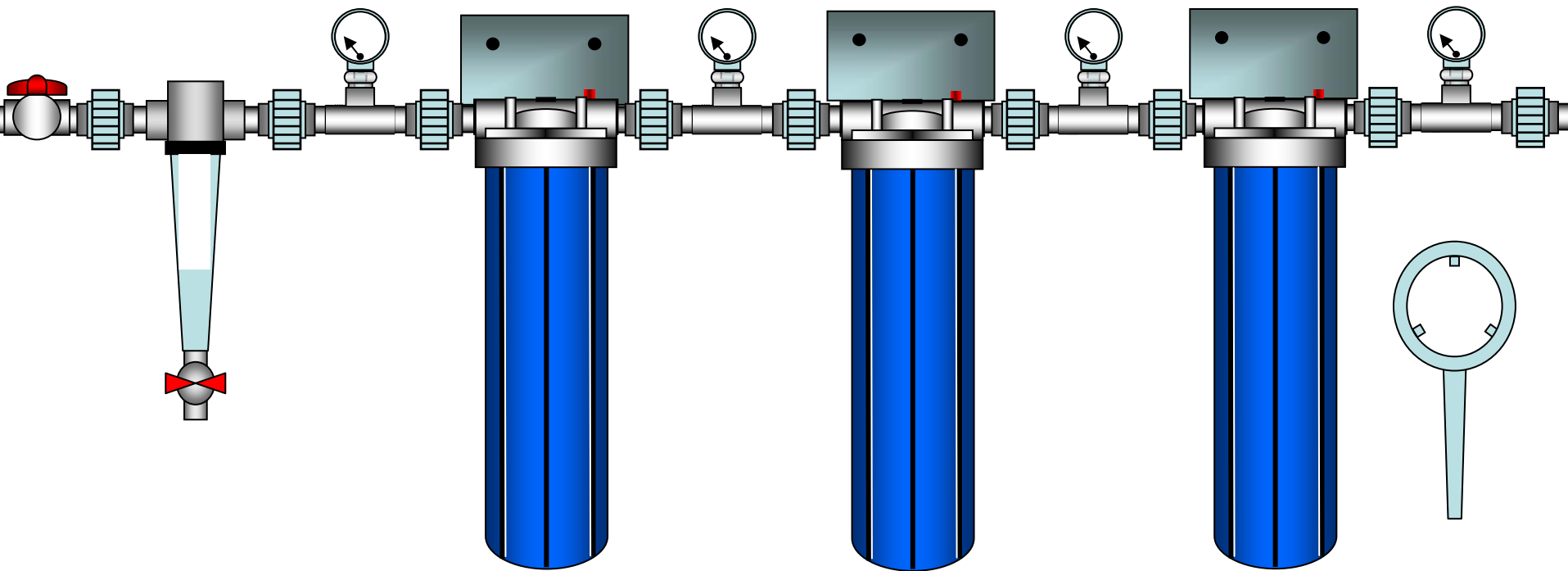
The Big Blue® Two-Housing Premium Well & POE System removes large particulate matter using a Spin-Down Separator to remove 60µm sand particles, pressure gauges for determining differential pressure (15 psid) for accurate cartridge replacement intervals, two housings capable of accepting a broad variety of cartridges in series to correct most water problems, a shut-off valve for servicing, and a SW-4 sump wrench. The components are connected with union joints facilitating easy assembly or system revisions.

Big Blue® Three-Housing Standard POE System



The Big Blue® Three-Housing Standard Point-of-Entry (POE) System consists three housings mounted on a single space saving bracket, capable of accepting a broad variety of cartridges in series to correct most water problems. The SW-4 sump wrench is included. Two additional options are available: (1) a shut-off valve ahead of the system to facilitate cartridge changes, (2) a sand separator to automatically remove sand particles larger than 60µm which can be manually flushed by opening a purge valve. Place a container under the valve to catch the debris for disposal.

Big Blue® Three-Housing Premium Well & POE System



The Big Blue® Three-Housing Premium Well & POE System removes large particulate matter using a Spin-Down Separator to remove 60µm and larger sand particles extending filter life, pressure gauges for determining differential pressure (15 psid) for accurate cartridge replacement intervals, three housings capable of accepting a broad variety of cartridges in series to correct most water problems, a shut-off valve for servicing, and a SW-4 sump wrench. The components are connected with union joints facilitating easy assembly or system revisions.

Cartridge Selection

- Sediment Cartridge
- Specialty Cartridge
- Carbon Cartridge

For most applications this is the normal sequence of cartridges. The sediment removal stage can contain a Spin-Down Separator for gross particle removal ahead of the cartridges. Cartridges can be sequenced in reducing retention to optimize the specific water needs.

The specialty cartridge can be used in the intermediate stage of a three-housing system to treat unique water quality issues. Sometimes a four-housing system may be indicated to completely correct the issues.

The carbon cartridge is normally the polishing stage. Select appropriate levels of prefiltration to protect the carbon.

Sediment Cartridges

Cartridge	Micron	Material, structure
CP5-20BB	05µm	Cellulose, pleated
S1-20BB	20µm	Cellulose, pleated
R30-20BB	30µm	Polypropylene, pleated
WP20BB20P	20µm	Polyester, string wound
DGD2501-20	25µm outer/01µm inner	Polypropylene, spun
WP50BB20P	50µm	Polyester, string wound
DGD5005-20	50µm outer/05µm inner	Polypropylene, spun
WP75BB20P	75µm	Polyester, string wound
DGD7525-20	75µm outer/25µm inner	Polypropylene, spun

These cartridges are used in any combination for prefiltration and intermediate filtration based on the unique water quality needs. A larger prefilter should precede the intermediate filter in three-housing systems with consideration of the final stage. The prefilter or intermediate should protect the final filter from surface loading.

Taste & Odor Cartridges

Carbon

Cartridge	Micron	Type	Capacity @ 2 ppm
NCP-20BB	10.0µm	Impregnated	1,000 gal @ 4.0 gpm
GAC20-BB		Granular	25,000 gal @ 4.0 gpm
EPM-20BB	10.0µm	Block	30,000 gal @ 4.0 gpm
EP-20BB	05.0µm	Block	40,000 gal @ 4.0 gpm
RFC20-BB	25.0µm	Granular	70,000 gal @ 4.0 gpm
CRFC20-BB	25.0 µm	Granular	70,000 gal @ 2.5 gpm
CBC20-BB	00.5µm	Block	150,000 gal @ 4.0 gpm

Chlorine removal is based on normal city water chlorination of 2 ppm. There should be appropriate sediment removal prior to the carbon cartridges.

Specialty Cartridges

Cartridge	Application	
OAC-20BB	Oil Adsorbing Cartridge	10.0 gpm
WS-20BB	Water Softener Cartridge	4,500 grains @ 2.0 gpm
BBF1-20MB	Mixed Bed Deionization Cartridge	1,850 grains @ 1.25 gpm
RFFE20-BB	Radial Flow Iron Removal	pair with RFC20-BB