



Installation Guide

Big Blue Sediment Pre Filter – single stage Water Filter for Wells and other dirty water

Check with local zoning and other regulations for other requirements
Read all instructions before installation
Professional plumber installation recommended

**Licensed Plumbers who wish to sell and install the MR5
contact 612 232 6651 - also for installation questions**



RECEIVING THE Big Blue Sediment Filter SHIPMENT: Parts list

A: Big Blue housing and cap with 1" NPT female pipe thread fitting – DO NOT OVER TIGHTEN BASE TO CAP – use thin plumber Teflon tape 5 wraps only between base and cap (more wraps can cause the base to break the cap when tightening). Use only thin Teflon plumbers' tape on the 1" inlet and outlet fittings (sealants can break these fittings).

B: Five 20" filter elements (one inside the Big Blue housing and 4 outside) (remove plastic wrapping before use). Keep in dry area away from sunlight at constant temperature to prevent condensation during storage. Can be mounted outside in shade where it will never freeze.

C: Bracket and 4 screws to hold to Big Blue cap. Do not overtighten screws. We do not include screws to fasten to the wall since this is specific to the individual installation.

D: Plastic Wrench to remove and tighten base from cap.

MAX PRESSURE 60 PSI and must have a pressure reduction valve to prevent surges.

SHIPING DAMAGE: If you detect any problems due to shipping you have to immediately notify the shipper and us using the tracking number. Follow the instructions on the return policy notice included in the package. **If you ordered and MR5 or a UV filter or additional MR5 filter packs they will all arrive in a separate shipment with separate tracking numbers.** We have all replacement parts in stock.

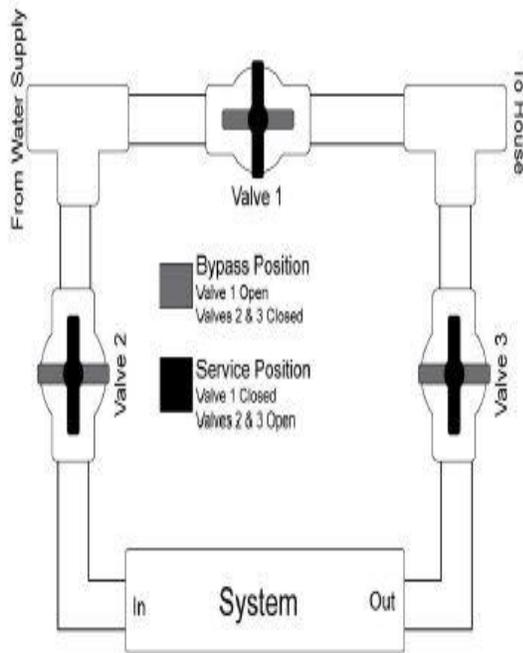
We sell this as a PRE-FILTER for the MR5 Whole House Water Filtration System.

20" filter elements for physical filtration of sediment **PRIOR to MR5 in water flow**

Change Filter elements when filters become plugged and water flow slows. This depends on the severity of particulate matter in the water so we do not give a gallon rating on the filter. When installing allow enough room underneath so you can remove the bottom part to change the filter element. Do not overtighten the bottom casing to the cap as this may cause the cap to break.

Use thin plumber Teflon tape 5 wraps only between base and cap (more wraps can cause the base to break the cap when tightening). DO NOT USE PLUMBERS THREAD SEALANT ON THE THREADS

BETWEEN CAP AND BOTTOM PLASTIC HOUSING since this has to be removed on every change of filters. Do not use thread sealant on the 1" fittings use **ONLY THIN TEFLON TAPE**. NOTE the IN and OUT water flow direction arrows on the case. When filling with water use the air purge valve on the top of the unit to remove all air from the system before use. Use the following diagram for isolation valves so the unit can be completely isolated from the house main water during maintenance.



Use the diagram AT LEFT TO PLACE BY PASS VALVES SO THE UNIT CAN BE COMPLETELY ISOLATED FROM THE WATER FLOW DURING INSTALLATION AND MAINTENANCE. Always reduce pressure to zero PSI before opening the unit for service.

Follow the instructions below when turning on the water after installation and maintenance.

Never remove the bottom plastic housing when the unit is under pressure. Always remove pressure from the unit prior to doing any maintenance.

TO CHANGE FILTER ELEMENTS: Turn off and by pass all water flow to the unit. Release the pressure in the unit using the top relief valve at the pressure gauge.

When filling the system with water for the first time or after a filter element change, use the following order of opening valves.

- 1) Close valve # 1 (diagram above).
- 2) Verify that valve # 2 and # 3 are both closed.
- 3) Open slowly and completely valve # 3 with the top air relief valve OPEN.
- 4) Allow air to vacate the housing while filling with water SLOWLY open valve # 2 slightly (just enough for a small amount of water to flow) to allow the system to vacate air and fill with water before opening completely. Check for any leaks and if there are leaks turn off the valves, drain any pressure and then drain water from the system. Fix leaks. Then follow procedure to slowly open valve # 2 to fill the system with low water flow before opening valve # 2 completely. If water flow slows over time then examine the filters for surface clogging. If you have hard water, you should put a water softener upstream from the MR5 to prevent clogging in addition to the sediment filter to prevent clogging the MR5 filter elements and shortening their life time.