







**WaterflowControl**



# **WFC-FH-20-TRIP-25mm**

## **Triplex Cartridge System**

### **Contact Us:**

-  (02) 9948 0699
-  [info@waterflowcontrol.com.au](mailto:info@waterflowcontrol.com.au)
-  [www.waterflowcontrol.com.au](http://www.waterflowcontrol.com.au)
-  D1/20 Picrite Close, Pemulwuy, NSW



# Features and Benefits

- The Big Blue filtration systems are specifically designed to cater to areas where a high flow rate is needed, for example, an entire house, industrial area or commercial zone.
- Installed on mains plumbing, sediment and chlorine are removed from all faucets/ showers throughout the premises, at up to **150 litres per minute**, protecting tap washers, hot water systems and appliances.
- The size of system that you require can be determined by the water quality and what is required to be filtered from the water.



## Installation Instructions

- Install isolation valves on the inlet & outlet of the filter
- Install cartridges
  - Stage 1 x 20 microns
  - Stage 2 x 10 micron carbon
  - Stage 3 x 5 micron cartridge
- Install out of direct sunlight & weather
- Install a bypass valve around the system

# Parts



# Dimensions





# Before You Start

## Things you will need:

- ✓ Plumber
- ✓ Thread Tape
- ✓ Spanner
- ✓ Assorted Tools
- ✓ Drill
- ✓ Ball Valves
- ✓ Elbows
- ✓ Water Pipe

- 1** Take some time to clear any items out of the way to ensure you have a safe, clear area to install the water filter. Ensure there are no trip hazards or anything that can create harm in the work area.
- 2** Unpack and check that you have received your product in good condition. If it has been damaged in transit, please do not attempt to install or assemble the unit. Alert us immediately or as soon as possible, so we can provide the necessary assistance.

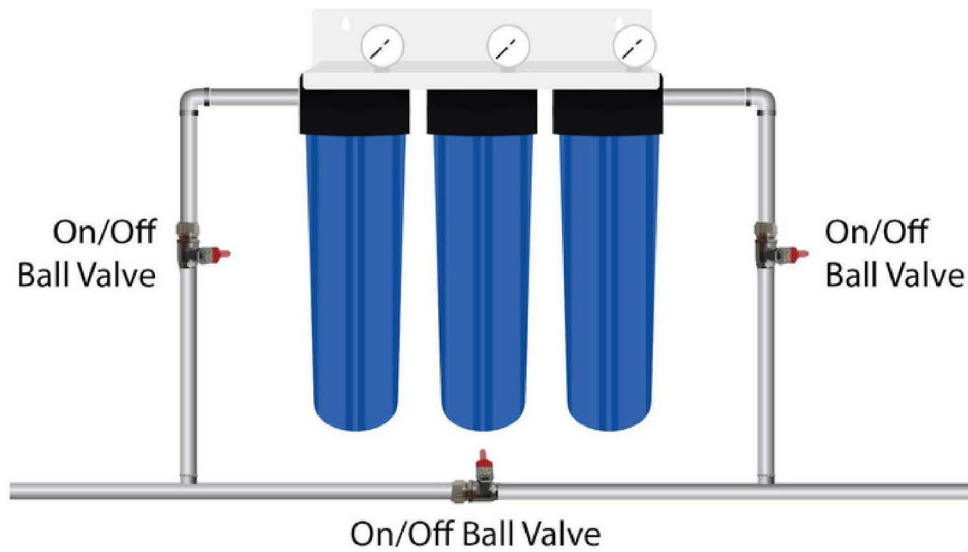
## Installation

- 1** Assess the location where the big blue filter system will be installed. Look for a desirable position where the filter can be fixed securely.
- 2** The big blue filter system bracket has 2 x holes to attach it onto the wall. Fix the water filter onto the wall or frame with strong screws or bolts.
- 3** It is preferred that the big blue filter system is mounted on a wall. If mounted onto a frame, concrete the frame into the ground securely. Ensure the big blue filter system is fixed to a strong structure as it will be heavy when full of water.



- 4** Set up the big blue filter to match the flow direction. The caps are marked "In" and "Out" on the top of the housing or from left to right.
- 5** The inlet plumbing will be attached to the "In" port on the filter system. The outlet plumbing from the whole house big blue filter system will be attached to the distribution system via the "Out" port. A bypass pipe and shutoff valve, Inlet and Outlet shutoff valves and gauges may be installed at this time.

NOTE: Do not use sealants on any of the threads as this will expand and will cause cracks and will damage the whole house black caps. Please only use thread tape.



- 6 Slowly open the valve on the main line and let the big blue filter system fill with water.
- 7 Once the big blue filter system is filling with water, push the red air bleeder buttons on top of the filter housings to release any air trapped inside the big blue filter system. This will ensure that no air pockets are trapped inside.
- 8 Check the housing for leaks and repair as necessary.



**PLEASE DO NOT** use any form of sealant on the threads of this water filter. Please **ONLY** use plumber thread tape. If you use any sealant, they have a history of expanding after the water filter is connected and can crack the inlet & outlet ports and they will start to leak.

# Installing Gauges

Please take care when installing the gauges, please apply plumbers thread tape only to the gauge thread. Tighten, taking extra care the threads have not been crossed. Tighten gauges until tight. If any gauges threads seem to be a tight fit simply turn the gauge forward as far as possible without too much force, then turn the gauge back the other way to untighten, then turn the gauge forward again until you have the gauge installed as required. **DO NOT** use any form of sealants on the gauge threads.

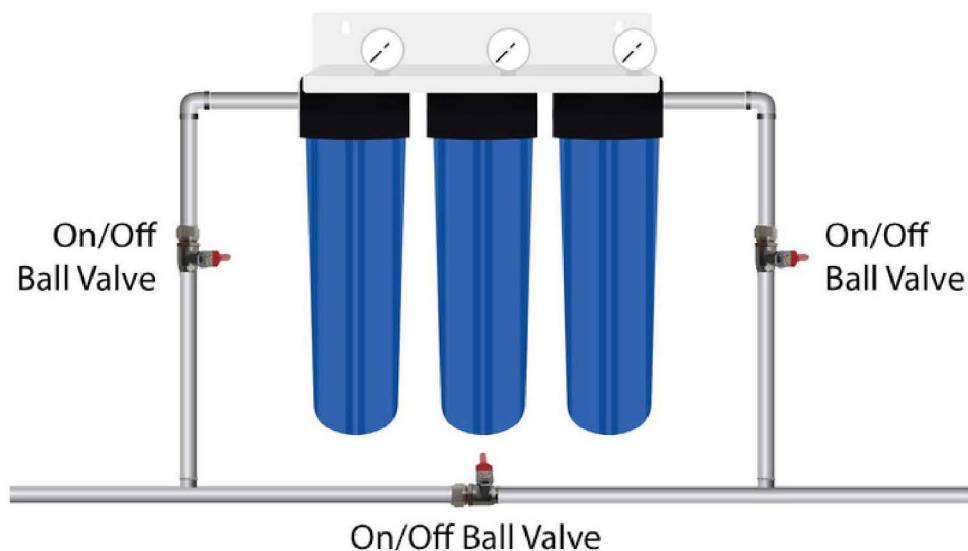
## Water Flow Direction

**Please note:** These water filters are set up to flow the water from left to right. If you want the water filter to flow the other way you will be required to remove the bracket and turn it around 180 degrees and refit the bracket so once installed the complete water filter housing is set up correctly.

## Installation Setup Diagram

### Diagram 1

MWF 20" x 4.5" Triple Big Blue Whole House Water Filter System





# How to Change Cartridges

- 1 Shut off the water supply.



- 2 Open a tap closest to the whole house big blue filter and allow all the pressure to empty via the tap.



- 3 Use the supplied housing opening tool to remove the housing by turning it anticlockwise.



- 4** Once loosened with the tool, the housing can be removed by hand. Spin the housing counterclockwise. Spin until the housing is completely removed. NOTE: If the pressure is not released, the filter housing will be very difficult to loosen. It is imperative that the water pressure is released prior to attempting to remove the filter housing.



- 5** Remove the old filter and discard. Make sure to note the orientation of the cartridges.





- 6 Install the new big blue cartridges into the filter housings. **NOTE:** You can do some preventive maintenance while doing the cartridge replacement. Lubricate the o-ring and housing threads with food grade silicone grease.



- 7 Ensure the cartridges center hole are seated in the stump in the base of each housing. Ensure the cartridge is centered & vertical as you lift the housing up into the head cap thread to replace. Hold 1 hand under the housing as you screw back on the whole house big blue filter housing by turning it clockwise. Do this until it is hand tight. If lubricated correctly this will screw on very easily without the tool.



- 8 Insert the housing tool onto the filter housing. Tighten the filter housing until firm. Do not tighten until overtightened. Do not force.
- 9 Do not open the valve on the mains yet, fully open the tap nearest to the whole house water filter.

- 10** Open the valve on the mainline slowly and let the water flow. Once the housings fill with water press the red air bleeder buttons on top of the filter housings to release the air inside the whole house big blue filter system. This will ensure that no air pockets are trapped inside.



- 11** Let the water flow out of the opened tap nearest to the water filter for 10 minutes until the BLACK Carbon water has been flushed out and the water is clear again. You might want to collect the first flow of water into a bucket, as it may be very black water from the carbon fines from the new carbon cartridges.

## Options (Additional Costs)



Also available with Stainless stand  
(WFC-FH-20-TRIP-ST-25mm)



Optional Extra - Stainless Steel Triplex Cover  
(WFC-FP-20-TRIP-SS-COVER)