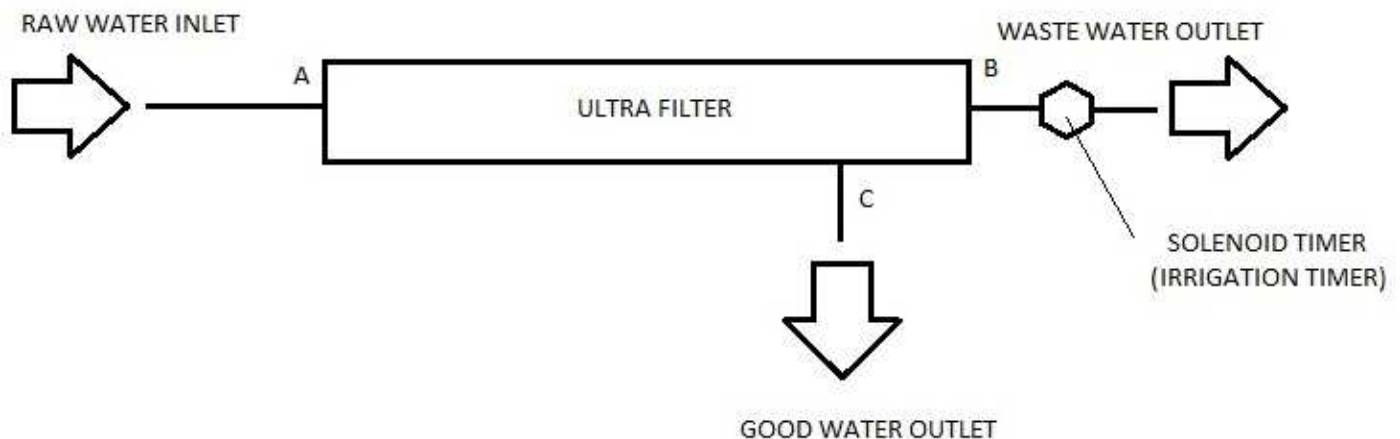


# Ultra filter backwash Installation

- Connect raw water into the inlet of the ultra-filter at position (A)
- Connect waste water outlet pipe to drain at position (B).
- A manual ball valve or automatic solenoid valve with timer (optional) needs to be installed at position (B) or all the raw water will go down the drain and there will be no good water production. (There must be no backpressure on the waste water line)
- Connect Good water outlet pipe at position (C)
- On initial startup your waste solenoid valve at position (B) must be open and all water will flow to drain.
- Open the raw water valve and let water flow into the ultra-filter all the water will flow to drain as your drain valve is open. There is a biocide in the ultra-filter membrane that needs to be flushed out for at least 20 minutes.
- Close the waste water valve and water will begin to flow through the ultra-filter and out of the good water outlet. The first 5 minutes of good water needs to be discarded as this will also have biocide in it.
- Your ultra-filter is now ready.
- An ultra-filter should be flushed manually once per day for 5 minutes. An automatic valve can also be installed to do this. (The period between flushing's times can be increased and decreased depending on incoming water quality)

Note: A and B can be reversed in position. (A) Can be the waste line and (B) can be the raw water inlet. However the position of (C) cannot be moved. And the valve or solenoid must be on the waste water outlet line.



# Ultra Filter Specifications

Maximum feed pressure ( Mpa ) 0.3  
Admission Transmembrane Pressure ( MPa ) 0.3  
Normal operation pressure ( MPa ) 0.1 ~ 0.3  
Backwash pressure ( MPa ) 0.1  
Ph value of feed water 2 – 10  
Chlorine of feed water (mg/L) 50  
Operation mode Dead end or Cross-flow  
Max operating temperature < 45°C  
Membrane characteristics Hydrophilic Double Skin  
Hollow-fiber membrane material Polyacrylonitrile (PAN) Modified  
MWCO (Dalton) 50,000  
Membrane area (m2) 5  
In & out water caliber of membrane module G 3/4"  
Max Air Pressure for integrity test (MPa) 0.2  
Flux (0.1MPa, 25° C) 4000 Liters /Hour  
Material of Cartridge ABS  
Weight of Cartridge with hollow fiber <15KG  
Time to change cartridge 1-2 years  
Material of cylinder housing Stainless Steel 304  
Thickness of housing 1.5 mm



*Note: These specs are tested under conditions of (1) stable water pressure (2) stable quality of feed water and Maintenance. Some of the performances may differ if not fulfilled the above conditions.*