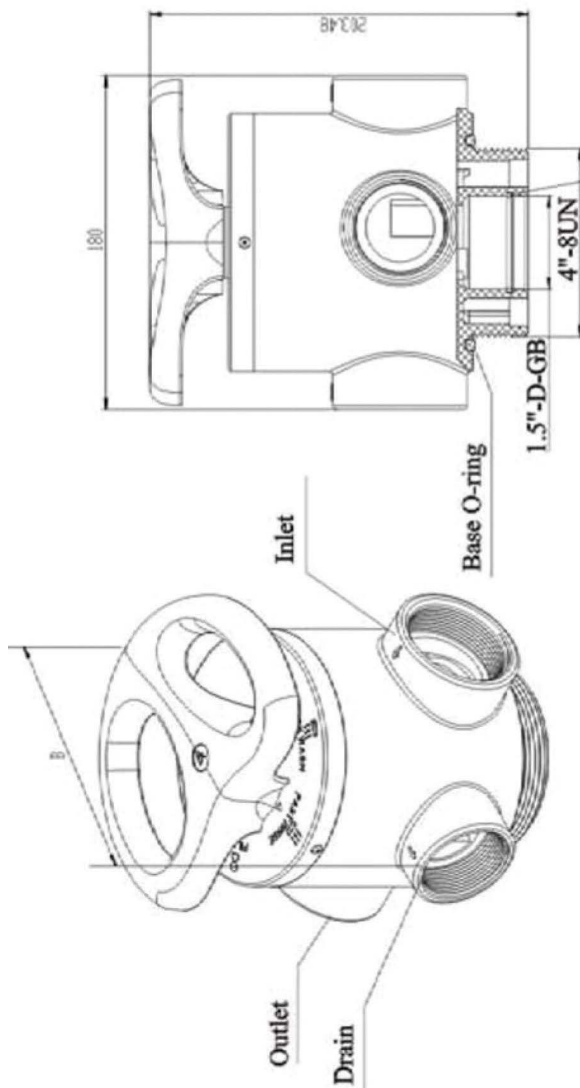




AQT-MFV-2




OPERATIONAL MANUAL

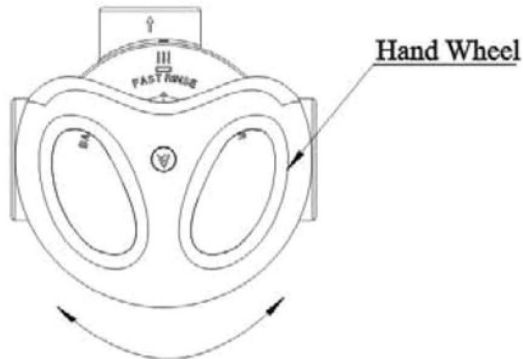




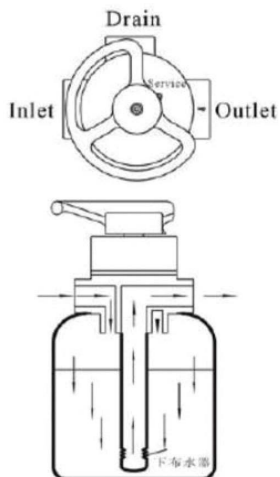
OPERATION

Simple turn the wheel into the desire position. The following table explains each position of the backwash process.

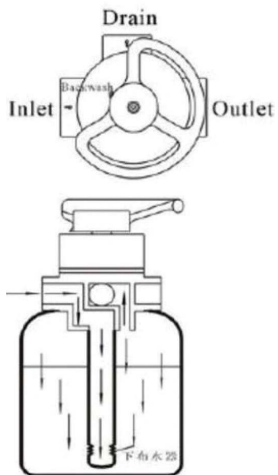
#	PROCESS	DESCRIPTION	RECOMMENDED TIME
1	SERVICE 	Raw water enters the valve and flows through media (down-flow). This filtered water flows from the bottom through the riser pipe (upflow) to the valve body and finally exit through outlet valve.	3-7 days depending on process design
2	BACKWASH 	Raw water enters the valve and flows through the riser pipe, expanding the media bed and backwashing all impurities. Backwashing water flows out from drain.	10 minutes.
3	FAST RINSE 	Raw water enters the valve and flows through the media (downflow), then upward the riser pipe to the valve body and finally exit through drain valve.	5 minutes.



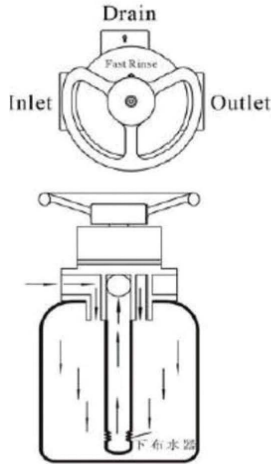
1. SERVICE



2. BACKWASH



3. FAST RINSE



PROBLEM	CAUSE	CORRECTION
<p>FILTER OUTPUTS RAW WATER</p>	<ol style="list-style-type: none"> 1. By pass opened 2. Leak in riser pipe 3. Leak inside the body valve 	<ol style="list-style-type: none"> 1. Close bypass 2. Fix or change riser pipe 3. Repair body valve or change valve
<p>FILTER MEDIA EXPELLED FROM DRAIN</p>	<ol style="list-style-type: none"> 1. Backwash intensity too large 2. Air inside the system 3. Diffuser broken 	<ol style="list-style-type: none"> 1. Moderate inlet pressure and adjust backwashing time 2. Ensure you have an exhaust system 3. Change the Diffuser
<p>DRAIN FLOWS CONTINUOUSLY</p>	<ol style="list-style-type: none"> 1. Internal valve leak 	<ol style="list-style-type: none"> 1. Change valve



AQT-MFV-2 Specifications:

Temp Range: 41° F (5° C) – 113°F (45° C)
Maximum Temperature: 122°F
Pressure Range: 21 psi - 87 psi
Control Type: Manual
Electricity: None Required
Base: 4"
Inlet: 2"
Outlet: 2"
Drain: 1.5"
Riser Pipe: 1.96" OD
Water Capacity Service: 46.3 gpm @ 21.8 psi
Water Capacity Back Wash: 41.85 gpm @ 21.8 psi
Tank Diameters: 6" – 12"

Material of Construction:

Body: Noryl
Handle: Plastic
Internal Disc: Ceramic



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