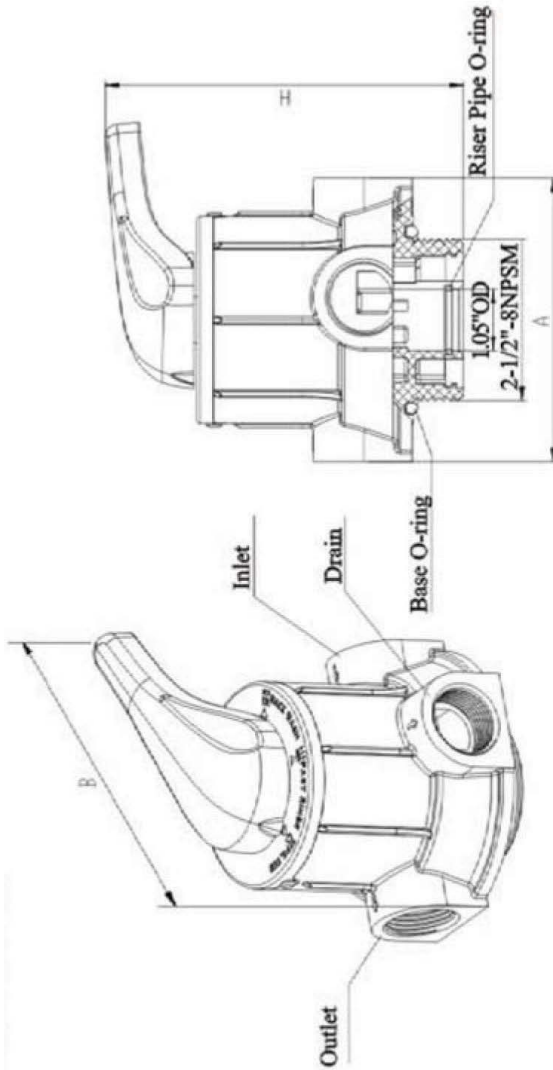


AQT-MFV-1




OPERATIONAL MANUAL

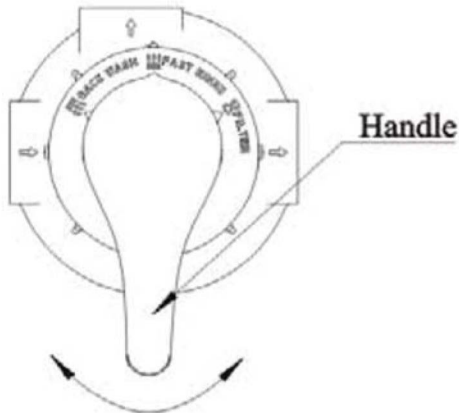




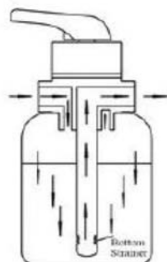
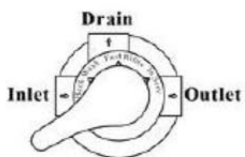
OPERATION

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

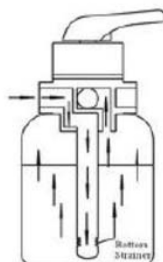
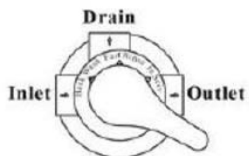
#	PROCESS	DESCRIPTION	RECOMMENDED TIME
1	SERVICE 	Raw water enters the valve and flows through media (down-flow). This filtered water flows from the bottom through the riser pipe (upflow) to the valve body and finally exit through outlet valve.	3-7 days depending on process design
2	BACKWASH 	Raw water 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.
	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.



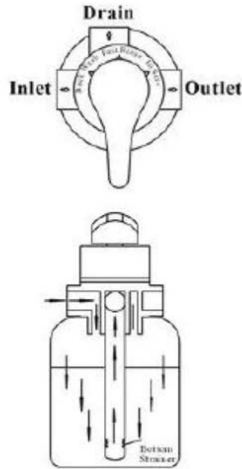
1. SERVICE

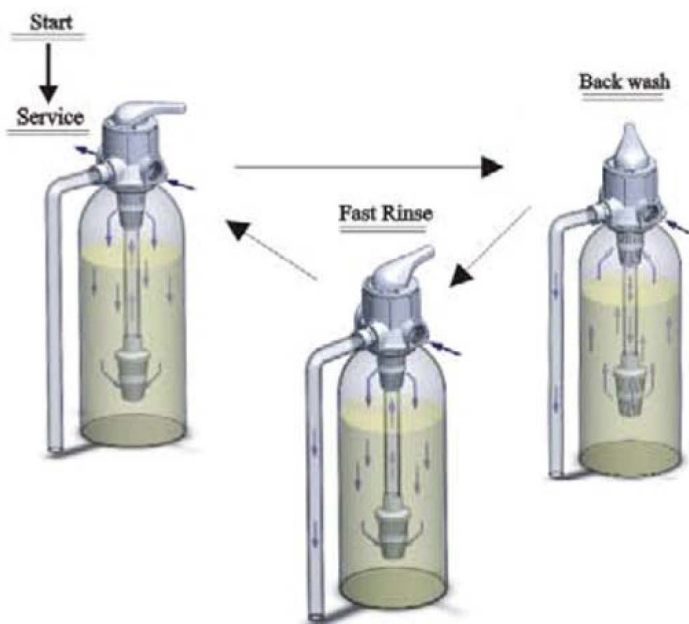


2. BACKWASH



3. FAST RINSE





PROBLEM	CAUSE	CORRECTION
<p>FILTER OUTPUTS RAW WATER</p>	<p>1. By pass opened 2. Leak in riser pipe 3. Leak inside the body valve</p>	<p>1. Close bypass 2. Fix or change riser pipe 3. Repair body valve or change valve</p>
<p>FILTER MEDIA EXPELLED FROM DRAIN</p>	<p>1. Backwash intensity too large 2. Air inside the system 3. Diffuser broken</p>	<p>1. Moderate inlet pressure and adjust backwashing time 2. Ensure you have an exhaust system 3. Change the Diffuser</p>
<p>DRAIN FLOWS CONTINUOUSLY</p>	<p>1. Internal valve leak</p>	<p>1. Change valve</p>



AQT-MFV-1 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: 2.5"

Inlet: 1"

Outlet: 1"

Drain: 1"

Riser Pipe: 1.05"

Water Capacity Service: 16.5 gpm @ 21.8 psi

Water Capacity Back Wash: 17 gpm @ 21.8 psi

Tank Diameters: 6" – 12"

Material of Construction:

Body: Noryl

Handle: Metal

Internal Disc: Ceramic

Distributed by:



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