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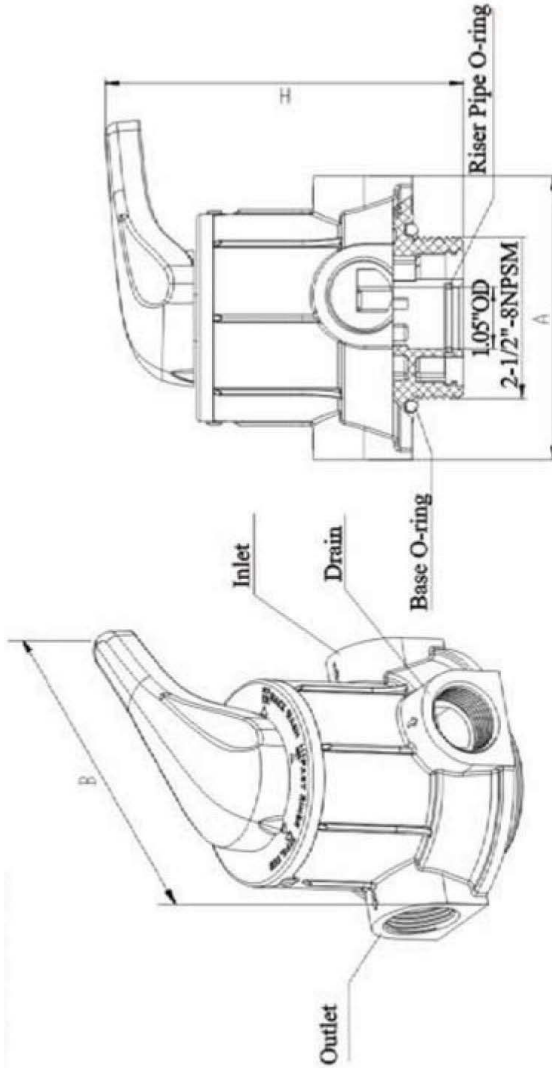
# AQT-MFV-1

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## OPERATIONAL MANUAL




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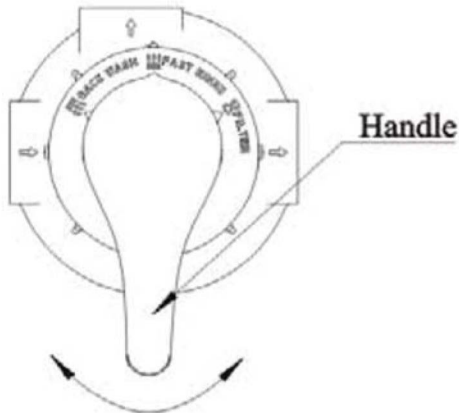




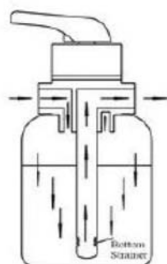
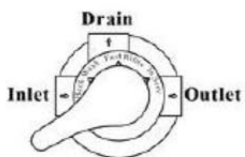
**OPERATION**

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

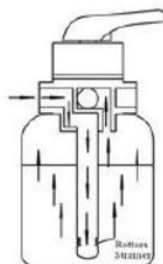
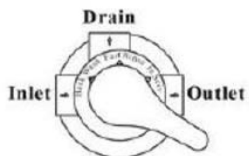
#	PROCESS	DESCRIPTION	RECOMMENDED TIME
1	<b>SERVICE</b> 	Raw water enters the valve and flows through media (down-flow). This filtered water flows from the bottom through the riser pipe (upflow) to the valve body and finally exit through outlet valve.	3-7 days depending on process design
2	<b>BACKWASH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



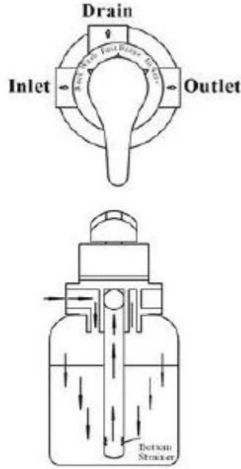
**1. SERVICE**

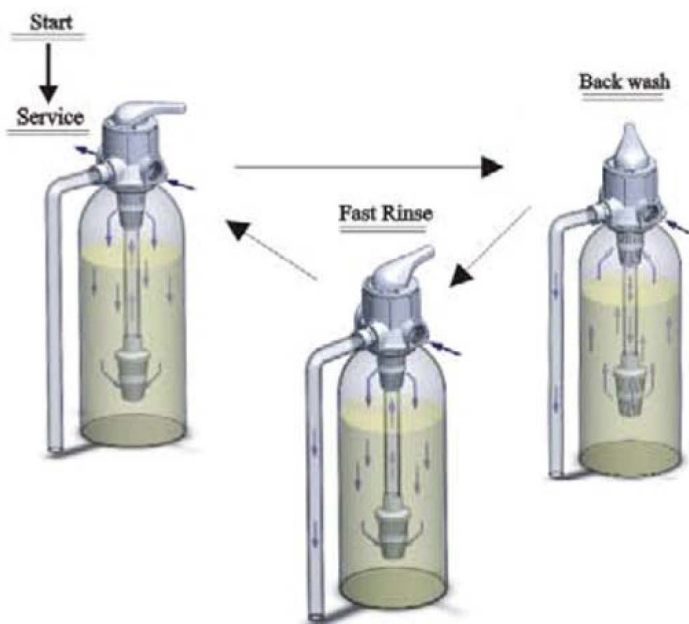


**2. BACKWASH**



**3. FAST RINSE**





PROBLEM	CAUSE	CORRECTION
<p><b>FILTER OUTPUTS RAW WATER</b></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><b>FILTER MEDIA EXPELLED FROM DRAIN</b></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><b>DRAIN FLOWS CONTINUOUSLY</b></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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