



Product Data Sheet

Aquashine Water Softener

The Aquashine Water Softener is a high-performance water treatment system designed to effectively remove hardness-causing minerals such as calcium and magnesium from water.

Key Features

- High-Quality Ion Exchange Resin Technology
- Durable FRP Pressure Vessel Construction

Main Benefits

- Prevents Scale Formation in Pipes & Equipment
- Reduces Maintenance & Operational Costs

Ideal Application

- Residential Homes & Apartments
- Hotels & Guest Houses

7 Stage RO Water Purification

- Raw Hard Water Inlet
- Ion Exchange Process (Softening Stage)
- Soft Water Outlet
- Resin Exhaustion Detection
- Backwash Cycle
- Brine Injection (Regeneration Stage)
- Rinse Cycle

Performance Specification	Unit	Value
Softening Capacity	m ³ /hr	1.0 – 10.0 m ³ /hr
Resin Volume	Liters	25 – 200 L
Hardness Removal Efficiency	%	Up to 98%
Maximum Feed Water Hardness	ppm	Up to 1,000 ppm
Operating Pressure	MPa	0.15 – 0.6 MPa
Operating Voltage (Auto Valve)	V / Hz	220–240V / 50Hz
Regeneration Type	—	Automatic / Time-Based / Meter-Based
Salt Consumption	kg / Cycle	Model Dependent
Installation Type	—	Floor Mounted

The specifications outlined above are normalized performance values based on standard laboratory test conditions. Actual system performance may vary depending on feed water quality, inlet pressure, temperature, installation conditions, and operating environment.

Feed Water Feed Water Hardness up to 1,000 ppm as CaCO₃ at 25°C (77°F)
 Inlet 0.15–0.6 MPa
 Stable power supply 220–240V AC / 50Hz (for automatic control valve models)

Note: Softening efficiency, treated water hardness level, and regeneration performance may vary depending on feed water hardness, iron content, operating pressure, temperature, resin quality, salt dosage, and system maintenance practices.



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→ Feed Water
→ Brine Solution
→ Soft Water
→ Drain Line