



Product Data Sheet

# Aquashine Iron Removal System

The Aquashine Iron Removal System is a high-performance water treatment solution designed to eliminate excess iron and manganese from borewell and groundwater sources.

### Key Features

- High-Efficiency Iron Removal Media
- Heavy-Duty FRP / Steel Pressure Vessel

### Main Benefits

- Eliminates Iron Stains & Metallic Taste
- Improves Water Clarity & Odor

### Ideal Application

- Borehole & Well Water Treatment
- Residential Homes & Apartments
- Schools & Institutions

### 7 Stage RO Water Purification

- Raw 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
Filtration Capacity	LPH	As per Model (500 –5000 LPH)
Iron Removal Efficiency	%	Up to 95–98%
Maximum Feed Water Iron	ppm	Up to 10 ppm
Maximum Feed Water TDS	ppm	Up to 2,000 ppm
Operating Pressure	MPa	0.2 – 0.6 MPa
Operating Temperature	°C	5 – 45°C
Media Type	—	Iron Removal
Regeneration Type	—	Manual / Automatic
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 Iron up to 10 ppm at 25°C (77°F)  
 Feed Water TDS up to 2,000 ppm  
 Inlet pressure 0.2–0.6 MPa

Stable power supply Not required (Manual Valve Models)  
 Stable power supply 220–240V AC / 50Hz (Automatic Control Valve Models)

**Note:** Iron removal efficiency and filtration capacity may vary depending on feed water iron concentration, oxidation state (ferrous/ferric), dissolved oxygen levels, operating pressure, temperature, media condition, and maintenance practices.

