

# Aquashine RO Plant 400 LPH

The Aquashine RO Plant 4000 LPH is a powerful industrial reverse osmosis system engineered to produce 4,000 liters of purified water per hour, ensuring reliable supply for medium to large-scale industrial and commercial facilities



### Key Features

- Multi-Stage Pre-Filtration
- Heavy-Duty High-Pressure Pump

### Main Benefits

- High-Quality Drinking Water
- Reliable Daily Performance

### Ideal Application

- Small Manufacturing & Processing Units
- Hotels & Guest Houses

### 7 Stage RO Water Purification

- Raw Water Feed Pump
- Multi-Grade Sand Filter (MGF)
- Activated Carbon Filter (ACF)
- Micron Cartridge Filter (5 Micron)
- High-Pressure Pump
- Reverse Osmosis (RO) Membrane
- Post-Treatment (Optional Add-ons)

Performance Specification	Unit	Value
Purification Capacity	LPH	400 LPH
RO Membrane Capacity	GPD	3000–4000 GPD
Recovery Rate	%	Up to 50–65%
TDS Reduction	%	Up to 95–98%
Maximum Feed Water TDS	ppm	Up to 2,000 ppm
Operating Pressure	MPa	0.3 – 0.6 MPa
Operating Voltage	V / Hz	220–240V / 50Hz
Power Consumption	kW	1.8 – 3.0 kW
Purification Technology	—	Multi-Stage Pre-Filtration + UF
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 TDS up to 2,000 ppm at 25°C (77°F)

Inlet pressure 0.3–0.6 MPa

Stable power supply 220–240V AC / 50Hz

**Note:** Recovery rate, purification capacity, and TDS reduction may vary depending on feed water characteristics, operating pressure, temperature, system design configuration, and maintenance practices.

