

Product Data Sheet

# Aquashine RO Plant

## 500 LPH

The Aquashine RO Plant 500 LPH is a high-capacity industrial reverse osmosis system engineered to deliver 500 liters per hour of purified water with superior efficiency and reliability



Key Features

- Industrial-Grade RO Membrane System
- Commercial Floor Installation

Main Benefits

- Superior Drinking Water Quality
- Reliable Daily Performance

Ideal Application

- Hotels & Large Restaurants
- Schools & Colleges

7 Stage RO Water Purification

- Raw Water Inlet
- Multi-Grade Sand Filter (MGF)
- Activated Carbon Filter (ACF)
- Micron Cartridge Filter (5 Micron)
- High-Pressure Pump
- Reverse Osmosis (RO) Membrane
- Post-Treatment System (Optional / As Required)

| Performance Specification | Unit   | Value                           |
|---------------------------|--------|---------------------------------|
| Purification Capacity     | LPH    | 500 LPH                         |
| RO Membrane Capacity      | GPD    | 4000-5000 GPD                   |
| Recovery Rate             | %      | Up to 55–70%                    |
| 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     | 2.5 – 4.0 kW                    |
| Purification Technology   | —      | Multi-Stage Pre-Filtration + RO |
| Installation Type         | —      | Commercial Floor                |

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.

