

## COMMERCIAL RO SYSTEMS

# BLUENEST DrRO500

## 500 LPH High-Performance RO System for Industrial & Commercial Applications



BLUENEST Commercial Drinking RO Systems are engineered to deliver safe, high-quality drinking water for demanding environments such as industries, hospitals, institutions, and commercial establishments. Designed with advanced multi-stage purification, the system effectively removes dissolved salts, contaminants, and harmful impurities while retaining essential minerals. Built using premium-grade components and high-efficiency membranes, it ensures consistent output, low TDS levels, and reliable performance even u...

• High Purity Output

• Low Maintenance

• Energy Efficient

• Compact Design

• ISO 9001:2015 Certified

### S Technical Specifications

Capacity	500 LPH
Recovery Rate	55-65%
Raw Water TDS (Max)	2000 ppm
Treated Water TDS	< 75
Feed Pump - Single Phase	1.0 HP
Pressure Sand Filter (FRP with MPV)	1054 - 1
Chemical Dosing Pump with Tank	50 Ltr
Micron Housing with Cartridge - 20"	Jumbo - 10" 2 No.
Membrane	4" x 40" - 2 Nos

Type of membrane	BW
Membrane housings (FRP)	2 Nos.
High Pressure Pump (SS 304 - CRI)	1 No. (1 Phase)
Pump Type	Multistage
Power Supply	230 V
Pressure Gauges	2 Nos.
Flow Meter (Rotameter)	2 Nos.
Electronic Control Panel	1 No.
Control Valve	1 No.

## F Key Features

- ▶ High-performance 1000 LPH RO system designed for demanding commercial applications
- ▶ Engineered by BLUENEST for consistent water quality and long operational life
- ▶ Multi-stage purification including sediment, activated carbon, and RO membrane filtration
- ▶ Efficient removal of TDS, hardness, heavy metals, bacteria, and dissolved impurities
- ▶ Energy-efficient high-pressure pump ensuring optimal power consumption
- ▶ Fully automatic PLC-based control system (optional) for seamless operation
- ▶ Real-time TDS monitoring for assured output quality
- ▶ Heavy-duty skid-mounted structure with corrosion-resistant materials
- ▶ Compact and modular design for easy installation and scalability
- ▶ Low maintenance system with easy access for service and membrane replacement
- ▶ Inbuilt safety features including dry run, overload, and pressure protection
- ▶ Optional UV/UF disinfection for enhanced microbiological safety
- ▶ Designed for continuous 24/7 industrial and commercial usage
- ▶ Long membrane life with optimized pre-treatment system

## A Applications

- ▶ Commercial drinking water purification systems
- ▶ Hotels, resorts, and large hospitality facilities
- ▶ Hospitals, laboratories, and healthcare institutions
- ▶ Educational campuses, hostels, and corporate offices
- ▶ Packaged drinking water and bottling plants
- ▶ Food processing and beverage manufacturing units
- ▶ Pharmaceutical and chemical industries
- ▶ Textile, dyeing, and garment processing units
- ▶ Automobile and engineering industries
- ▶ Cooling tower and boiler feed water treatment
- ▶ Commercial laundries and centralized washing facilities
- ▶ Construction sites and infrastructure projects

### WHY BLUENEST?

**500+**

INSTALLATIONS

**15+**

YEARS EXPERIENCE

**6**

STATES COVERED

**20+**

ENGINEERS

**ISO**

9001:2015

## Get Pricing, Customisation & AMC Support

Our engineers are ready to design the right system for your requirement

SALES

**7530099882**

SUPPORT

**7530099881**

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### HEADQUARTERS

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