BLUENEST

Pure Water. Pure Trust. — South India’s Trusted RO Manufacturer

✓ ISO 9001:2015 CERTIFIED

Product Specification Sheet • November 2026



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

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.
Dimension	1500 mm × 800 mm × 1700 mm
Weight	150 Kgs

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

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+	15+	6	20+	ISO
INSTALLATIONS	YEARS EXPERIENCE	STATES COVERED	ENGINEERS	9001:2015

Get Pricing, Customisation & AMC Support

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

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HEADQUARTERS

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