

DM / ULTRAPURE WATER SYSTEMS

# BLUENEST MediRO-P50

## 50 LPH RO DM Water Treatment Systems for Laboratories

Bluenest DM (Deionized) Water Treatment Systems are engineered to deliver consistent high-purity water using advanced RO and ion exchange technology for critical laboratory and industrial applications. Designed for superior removal of dissolved salts, ions, and contaminants, the system ensures low conductivity and reliable performance. Its compact, robust construction with premium components guarantees durability and long service life. Intelligent controls and efficient operation make it user-friendly and low-ma...



- High Purity Output
- Low Maintenance
- Energy Efficient
- Compact Design
- ISO 9001:2015 Certified

### S Technical Specifications

<b>Output Water Quality</b>	ASTM Type II (Type I on request)
<b>Conductivity</b>	< 0.1 µS/cm
<b>Capacity</b>	50 LPH
<b>Feed Water Quality</b>	RO permeate / softened water
<b>Pre-treatment</b>	RO + Activated carbon + Cation + Anion resin
<b>Resin Type</b>	Nuclear-grade mixed-bed cation/anion resin (regeneratable)
<b>Silica</b>	< 0.01 mg/L

<b>Online Monitoring</b>	Resistivity, conductivity, TOC, pH — continuous
<b>Piping Material</b>	CPVC / Sanitary fittings
<b>Operating Pressure</b>	3-6 bar
<b>Power Supply</b>	230V / 1-phase / 50Hz
<b>Dimensions (L×W×H)</b>	900 × 450 × 1400 mm
<b>Resin Regeneration</b>	External (acid/alkali)
<b>Warranty</b>	1 year Free Maintenance

## F Key Features

- ▶ Mixed-bed DI resin columns — nuclear-grade cation and anion resin
- ▶ Continuous electrodeionisation (CEDI) option available
- ▶ Built-in RO pre-treatment stage
- ▶ UV (254nm) + 0.2µm membrane final polishing
- ▶ Online resistivity / conductivity monitoring — continuous
- ▶ SS316L / PVDF chemical-resistant piping
- ▶ Low TOC design (< 10 ppb standard)
- ▶ Sanitisable loop option for pharmaceutical water systems
- ▶ Regeneratable resin columns — long service life
- ▶ Compact modular design — small footprint

## A Applications

- ▶ Analytical and research laboratories (ASTM Type I / II)
- ▶ Pharmaceutical water-for-injection (WFI)
- ▶ Electronics and semiconductor fabrication
- ▶ Boiler feed water (zero hardness required)
- ▶ Dialysis (haemodialysis) water systems
- ▶ Clinical and hospital central sterile labs
- ▶ Calibration and instrument testing facilities
- ▶ Aerospace and defence labs

### 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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WEBSITE

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### HEADQUARTERS

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