

Thermo Scientific Barnstead LabTower EDI water purification system

The Barnstead LabTower EDI is an integrated system combining purification with EDI technology and storage in one, as well as producing both Type 1 and Type 2 water. Stock high purity water safely and conveniently!



APPLICATIONS INCLUDE:

Type 1 Water Applications

- Cell and tissue culture
- PCR, DNA sequencing
- Electrophoresis, TOC Measurements, IC
- HPLP, GC-MS, ICP-MS, AA

Type 2 Water Applications

- Rinsing lab glassware
- Supplying autoclaves and ultrapure water systems
- Preparing and diluting buffers, reagents, and media

Ultrapure water which exceeds ASTM Type I standards, with a resistivity of 18.2 MΩ.cm and TOC 1-5 ppb with optional UV lamp.

High purity water ASTM Type II water, with resistivity of 15-10 MΩ.cm, is ideal for daily needs of 100 to 500 L.

Two systems in one

- Unique systems with pretreatment plus polisher to produce both Type 1 and Type 2 water
- Type 2 water is stored in the integrated 100 L high purity water reservoir
- Water system sits on top of the reservoir saving critical bench space

Ready-to-use

- Feed water pressure switch, all filters and cartridges, sterile filter, all in one package

Two ways to draw water

- Dispense ultrapure water directly from the system via the dispenser with sterile filter. The water quality is measured immediately prior to the dispensing point.
- Type 2 water is accessible from the reservoir, which is an ideal supply for lab equipment such as autoclaves

Performance for your application feeds

- High performance reverse osmosis module is paired with an EDI module and polisher cartridge
- Two systems to choose from with capacities of 15 and 30 L per hour

Quick Look Comparison		
	LabTower EDI 15 system	LabTower EDI 30 system
Type 1 Water		
Resistivity at 25°C, MΩ.cm	18.2	18.2
Conductivity, µS/cm	0.055	0.055
TOC, ppb	1-5	1-5
Bacterial content in CFU/mL	<1	<1
Particles, 0.22 µm/mL	<1	<1
Flow rate at dispenser, L/min	1.5	1.5
Type 2 Water		
Pure water production at 15°C	15	30
Resistivity at 25°C	15-10	15-10
Conductivity	0.067-0.1	0.067-0.1