

Pure and simple

Exceptional water purification
time after time, after time...



Designed to produce consistently pure water, to help you achieve fast, accurate test results, and control your costs.

Thermo Scientific™ Barnstead™ clinical water purification systems can be tailored to each installation to provide reliable, pure water according to Clinical Laboratory Reagent Water (CLRW) standards and a consistent cost per test.

- Reliable results
- Enhanced security with emergency bypass system
- Optimized for cost efficiency
- Consultative package including; consumables, service contracts, warranty and leasing options

Barnstead clinical feed water systems offer innovative features to ensure efficient and reliable operation

Thermo Scientific™ Barnstead™ Pacific™ AFT bench-top clinical feed water system	Thermo Scientific™ Barnstead™ LabTower™ AFT floor-standing clinical feed water system	Thermo Scientific™ Barnstead™ MediTower™ floor-standing clinical feed water system
		
<ul style="list-style-type: none"> • Choice of 30 or 60 L tank, including recirculation/pressure pump and level control (UV lamp optional) • Flow rates of 3, 7, 12, 20 and 40 L/hr at 15°C water temperature • Emergency switch for security 	<ul style="list-style-type: none"> • Integrated 100 L tank • Large deionization canisters with 2800 L capacity at 10 °dH • Flow rates of 20 L/hr to 60 L/hr at 15°C water temperature • Emergency switch for security 	<ul style="list-style-type: none"> • Integrated pressure tank with 20 L capacity (MediTower 140 has 2 tanks), including pressure pump • Upgradeable from 60 to 140 L/hr • Large deionization canisters with 2000 L capacity at 10 °dH • Flow rates of 60, 120 and 140 L/hr at 15°C water temperature • Emergency switch for security • RO / RDS up to 300 L/hr

Modular design

Upgrade from 60 L to 140 L by adding another RO membrane.

Easy to maintain

Easily replace consumables, such as filters, with quick-connectors.

Fully automatic operation

Simply attach the potable tap water source to your system for it to begin automatic pure water production.

Small footprints

Free-standing units take up no bench space and can be easily relocated with bottom-mounted rollers.

All units are ready-to-use, equipped with installation kit, pre-filtration, UV-lamp, RO membranes, end filters and emergency bypass system.

Tailored systems for optimum performance



Water quality is complex and varies significantly from source to source. This is why we work with you to specify the optimum purification configuration for each installation. Through this consultative approach, we provide you with a package including; consumables cost, preventative service contracts, warranty, and leasing options to ensure pure water is delivered in a cost-effective way, regardless of the source quality or operational demand.

Emergency bypass system for enhanced security



Maximum operational security and reliability are standard due to an innovative by-pass design. In the event of a system failure, you can switch to ion exchanger mode. The supply of high purity water is maintained without interruption and is independent of the other purification stages. An optional monitoring sensor is available with audible and visual alarms, as well as automatic system shut-off, if needed.

Trusted service when you need it



Your clinical analyser runs all the time, so our clinical feed water purification systems are designed to do the same. If an issue arises, our service team is here to help get you back up and running. We offer a wide range of support approaches to increase uptime, maintain peak performance, and help you lower your total cost of ownership. In most cases, service is available 24 hours a day, 7 days a week.

Financial and leasing services



You can now partner with us to finance your water purification requirements to support your business goals and budget. Our dedicated team can develop a solution to align with your business strategy and budget requirements to give you a flexible, cost-effective solution to help you reduce the cost per test and extend your resources.

Tailored water purification systems to meet your needs

Thermo Scientific Barnstead Clinical Feed Water Systems

Water System Specifications	Pacific AFT 3-40	LabTower AFT 20/40	MediTower 60/120/140
Typical Conductivity	0.1-1.0	0.1-1.0	0.1-1.0
Bacteria Removal	99%	99%	99%
Rated Power (kW)	0.1	0.25	0.3
Operating Voltage (V/Hz)	230/50 (115/60)	230/50 (115/60)	230/50 (115/60)
Operating Pressure, (bar) min./max.	2/6	2/6	2/6
Dimensions (W x D x H mm)	372 x 330 x 615	450 x 580 x 1500	560 x 660 x 1380
Weight (kg)	24-26	66	150

Feed Water Requirements

Hardness	Hardness stabilized potable water	Colloid Index Max.	3
Manganese and Iron	<0.05 mg/L	Temperature	1-30°C
Conductivity	<1000 µS/cm	Pressure	2-6 bar
Free Chlorine Content	<0.1 mg/l		

Learn more at thermofisher.com/clinicalwater

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