




thermo**scientific**

Consistently pure water  
for your clinical analyzers

**ThermoFisher**  
SCIENTIFIC

# Designed to produce consistently pure water, to help you achieve fast, accurate test results



Thermo Scientific™ Barnstead™ clinical water purification systems feed your analyzers with reliable, pure water according to Clinical Laboratory Reagent Water (CLRW) standards.

- Reliable results
- Enhanced security with emergency bypass system
- Optimized for cost efficiency

These complete solutions are ready to use the day you receive your system, including everything from filters to accessories, for easy and economical ordering. All Barnstead clinical feed water systems feature an emergency bypass, designed to help you avoid any loss of production.

## **Trusted service when you need it**

Your clinical analyzer runs all the time, so our clinical feed water systems are designed to do the same. If an issue arises, our service team is here to help get you back up and running. In most cases, service is available 24 hours a day, 7 days a week. Contact your Unity Lab Services representative or an authorized dealer for more information.

Barnstead clinical feed water systems offer innovative features that allow you to focus on your science.

### **Modular design**

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

### **Quick-connect consumables**

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.



**Thermo Scientific™ Barnstead™ Pacific™ AFT bench-top clinical feed water system**

- 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 LPH at 15°C water temperature
- Emergency switch for security



**Thermo Scientific™ Barnstead™ LabTower™ AFT floor-standing clinical feed water system**

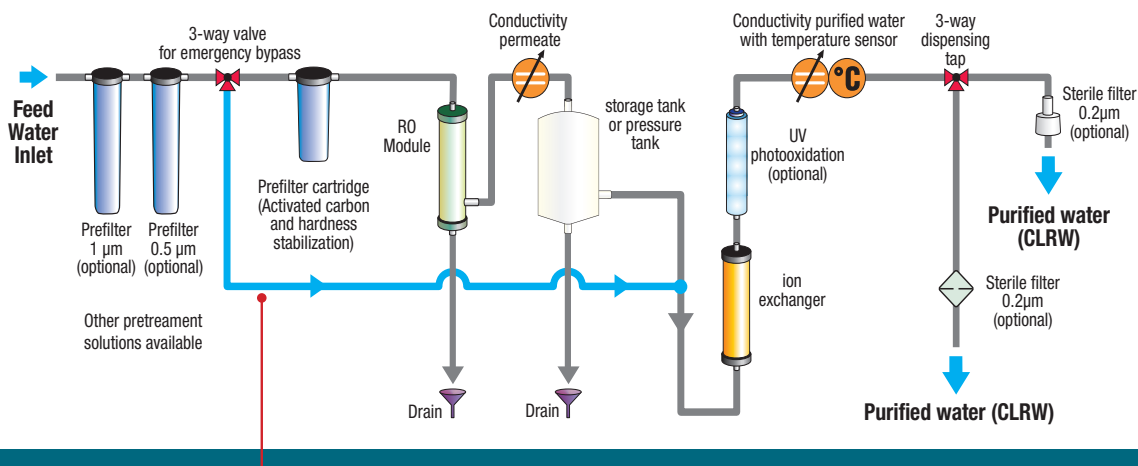
- Integrated 100 L tank
- Large deionization canisters with 2800 L capacity at 10 °dH
- Flow rates of 20 and 40 LPH at 15°C water temperature
- Emergency switch for security



**Thermo Scientific™ Barnstead™ MediTower™ floor-standing clinical feed water system**

- Integrated pressure tank with 20 L capacity (MediTower 140 has 2 tanks), including pressure pump
- Upgradeable from 60 to 140 L
- Large deionization canisters with 2000 L capacity at 10 °dH
- Flow rates of 60, 120 and 140 LPH at 15°C water temperature
- Emergency switch for security

Continuous analysis of your samples



**Emergency bypass system for enhanced security**

Maximum operational security and reliability are standard due to an innovative bypass design. In the event of a system failure, you can easily flip a switch to transition 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.

## Specifications

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

## Ordering Information

Pacific AFT Clinical Feed Water Systems		Pacific AFT Accessories and Consumables	
50135178	Pacific 3 LPH AFT with emergency switch, UV lamp	09.4011	Filter cartridge
50135249	Pacific 7 LPH AFT with emergency switch, UV lamp	06.5201	Combi cartridge 5 µm + activated carbon - 10"
50135250	Pacific 12 LPH AFT with emergency switch, UV lamp	06.5452	Hardness stabilizing unit - 10"
50135264	Pacific 20 LPH AFT with emergency switch, UV lamp	50139226	Replacement UV lamp
50135267	Pacific 40 LPH AFT with emergency switch, UV lamp	06.5031	Storage tank 30 liter as bench top with level-control including pressure pump
LabTower AFT Clinical Feed Water Systems		06.5061	Storage tank 60 liter as bench top with level-control including pressure pump
50135466	LabTower AFT 20 LPH with pre-treatment, storage tank 100 liters and pressure pump, emergency switch, UV lamp	06.5001	Sterile overflow for storage tank
50135467	LabTower AFT 40 LPH with pre-treatment, storage tank 100 liters and pressure pump, emergency switch, UV lamp	06.5002	CO <sub>2</sub> Adsorber + vent filter for storage tank
MediTower Clinical Feed Water Systems		50135142	Sterile vent filter for storage tank
50130993	MediTower 60 LPH AFT with pressure tank 25 liters, degassing membrane, leak water sensor, UV lamp	06.5006	UV light for tank
50131060	MediTower 120 LPH AFT with pressure tank 25 liters, degassing membrane, leak water sensor, UV lamp	06.5015	Wall-mounting for storage tank 30 liters
50134970	MediTower 140 LPH AFT with pressure tank 25 liters, degassing membrane, leak water sensor, UV lamp	06.5016	Wall-mounting for storage tank 60 liters
Softener		LabTower AFT Accessories and Consumables	
50130297	Mix Multi Mini Softener Capacity at 10° dH 2000 liters	06.5204	Combi cartridge 5 µm + hardness stabilizing 10"
General and Pretreatment Accessories and Consumables		50132714	Sterile overflow for storage tank
09.4000	Pre-treatment complete	50135142	Sterile vent filter for storage tank
06.2000	Bag of salt – 25 kg for softener	50135141	Filter housing 10" for pressure outlet
16.0129	Aqua-stop with magnetic valve	06.5101	Pre filter 1 µm - 10" for pressure outlet
06.1000	Hardness measuring kit	06.5555	Sterile filter 0.2 µm – 10" for pressure outlet
MediTower Accessories and Consumables		09.1003	Sterile filter capsule 0.2 µm for dispenser
02.2050-RDS	DI 2000 ion exchanger cartridge	50139226	Replacement UV lamp for unit
10.2017	2 x 17 liters disposable resin for no. 02.2050 or 02.2050-RDS	06.5006	UV light for storage tank
09.5002	Replacement UV lamp	09.5002	Replacement UV lamp for tank UV-housing no. 06.5006
06.5452	Hardness stabilizer 10"	02.2850-RDS	DI 2800 ion exchange cartridge
06.5201	Combi cartridge 5 µm + activated carbon - 10"	10.2022	2 x 22 liters disposable resin for no. 02.2800 or 02.2800-RDS
06.5555	Sterile filter 0.2 µm		

Find out more at [thermofisher.com/purewater](http://thermofisher.com/purewater)

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**Australia** +61 39757 4300  
**Austria** +43 1 801 40 0  
**Belgium** +32 53 73 42 41  
**China** +800 810 5118 or +400 650 5118  
**France** +33 2 2803 2180  
**Germany national toll free** 0800 1 536 376  
**Germany international** +49 6184 90 6321

**India toll free** 1800 22 8374  
**India** +91 22 6716 2200  
**Italy** +39 02 95059 552  
**Japan** +81 3 5826 1616  
**Netherlands** +31 76 579 55 55  
**New Zealand** +64 9 980 6700  
**Nordic/Baltic/CIS countries** +358 10 329 2200

**Russia** +7 812 703 42 15  
**Spain/Portugal** +34 93 223 09 18  
**Switzerland** +41 44 454 12 12  
**UK/Ireland** +44 870 609 9203  
**USA/Canada** +1 866 984 3766

**Other Asian countries** +852 3107 7600  
**Countries not listed** +49 6184 90 6000