

The Thermo Scientific Barnstead Nanopure systems are a great option for scientists who need exceptional performance for today's critical and sensitive applications. Four application-specific models allow you to choose the Nanopure system that is right for your laboratory. Use the Quick Look Comparison chart to find the system that best fits your specific needs and objectives.

## Thermo Scientific Barnstead Nanopure

Ultrapure water for critical applications



◀ Thermo Scientific Barnstead Accudispense Volumetric Dispenser



Quick Look Comparison				
	Nanopure Analytical	Nanopure Analytical UV	Nanopure Biological UF	Nanopure Life Science UV/UF
<b>System Design</b>	Base unit	Ultra low organics	Eliminates pyrogens	Lowest levels of organics, pyrogens and nucleases
<b>Application</b>	<ul style="list-style-type: none"> <li>• Buffer prep</li> <li>• Titration solutions</li> <li>• AA</li> </ul>	<ul style="list-style-type: none"> <li>• HPLC</li> <li>• TOC</li> <li>• GC/MS</li> <li>• ICP, ICP-MS</li> </ul>	<ul style="list-style-type: none"> <li>• Cell and tissue culture</li> <li>• Monoclonal anti-body production</li> <li>• Electrophoresis</li> </ul>	<ul style="list-style-type: none"> <li>• PCR</li> <li>• 2-D electrophoresis</li> <li>• Cell culture</li> <li>• Blotting</li> </ul>
<b>Resistivity at 25°C, MΩ-cm</b>	18.2	18.2	18.2	18.2
<b>Total Organic Carbon, ppb</b>	5-10	1-5	5-10	1-5
<b>Bacteria, CFU/ml</b>	< 1	< 0.01	< 0.01	< 0.01
<b>Pyrogens, EU/ml</b>	n/a	n/a	< 0.001	< 0.001
<b>RNase, ng/ml</b>	n/a	n/a	n/a	<0.003
<b>DNase, pg/μl</b>	n/a	n/a	n/a	<0.4

### Digital Display

High-visibility display provides an accurate reading of resistivity, conductivity, temperature, and TOC.

### Removable Display and Controls

Removable display can be mounted up to 10 ft. (3 m) away from the unit for added flexibility.

### Automatic Cleaning Cycle

Simply introduce the cleaner into the system, press a button and walk away; our Nanopure will take care of the rest.

### Whisper-Quiet Pump

Provides optimum flow with virtually silent operation.

### Choose Your Method of Dispensing

Intermittent, constant or volumetric dispensing of water, based on your needs.

### Hollow-Fiber Final Filter

The 0.2 μm final filter requires less frequent replacements than comparable units.

### Thermo Scientific Barnstead Diamond Cartridge Pack

High-capacity for long life. Easy to install or change cartridges.

### Flexibility in Mounting Location

Locate your system on the bench or wall. Wall mounting bracket included as standard equipment.

### Built-in Pressure Regulating Valve

Allows feed water pressures up to 100 psig (6.9 bar) with no additional equipment.

## Thermo Scientific Barnstead Nanopure

Product Specifications				
Overall Dimensions W x H x D in. (cm)	Feed Water Pressure	Inlet Water Temperature	Voltage	Flow Rate
13.5 x 19.5 x 17.5 (34.3 x 49.5 x 44.5)	100 psig 6.9 bar	40-104°F 4-40°C	90-240 VAC, 100 VA 47-63 Hz, 1 phase	Up to 2 L/min

System Options		Nanopure Analytical	Nanopure Analytical UV	Nanopure Biological UF	Nanopure Life Science UV/UF
<b>Nanopure Systems</b> All systems include a wall bracket, cleaning syringe, and UV lamp and/or ultrafilter where applicable.	<b>Standard Unit</b>	<b>D11901</b>	<b>D11911</b>	<b>D11921</b>	<b>D11931</b>
	<b>+ TOC Monitor</b>	<b>D11941</b>	<b>D11951</b>	<b>D11961</b>	<b>D11971</b>

Required Accessories					
<b>Diamond Cartridge Pack</b> Choose the cartridge pack according to your feed water and system. Ships with 0.2 µm final filter (D3750).	<b>Deionized Feed</b>	D50283	D50281	D50283	D50281
	<b>RO or Distilled Feed</b>	D50282	D50280	D50282	D50280

Optional Accessories					
<b>Accudispense™</b> Recirculates water through to tip of dispenser and remotely dispenses programmed volumes of water (0.25 to 60 L) from up to 8 ft. (2.4 m) away. Ships with 0.2 µm final filter (D3750).		D13661	D13661	D13661	D13661
<b>Remote Dispenser</b> Recirculates water through to tip of dispenser and includes a 0.2 µm final filter. Delivers water up to 8 ft. (2.4 m) from the system. Ships with a wall mounting bracket for increased flexibility in choosing a mounting location.		D11981	D11981	D11981	D11981
<b>Printer</b> Date, time, resistivity, temperature, and TOC (on TOC models only), are printed every 12 minutes.		AY1137X1	AY1137X1	AY1137X1	AY1137X1
<b>N.I.S.T. Calibration Module</b> Automatic calibration verification of the purity meter.		E896X5	E896X5	E896X5	E896X5
<b>Low Pressure Pump Protector</b> Alerts the Nanopure of an inadequate feed water condition in a pressurized feed line.		D2706	D2706	D2706	D2706
<b>Low Water Level Pump Protector</b> Alerts the Nanopure of an inadequate feed water condition when fed from a reservoir.		D8964	D8964	D8964	D8964
<b>Dispense Overflow Cutoff Float</b> Ensures carboy style containers do not overflow.		AY1367X1	AY1367X1	AY1367X1	AY1367X1

Replacement Consumables					
<b>0.2 µm Final Filter</b>		D3750	D3750	D3750	D3750
<b>Ultraviolet Lamp (Unit)</b>		n/a	LMX13	n/a	LMX13
<b>Ultrafilter</b>		n/a	n/a	FL1192X1	FL1192X1
<b>Cleaning Syringe</b>		CMX25	CMX25	CMX25	CMX25
<b>Ultraviolet Lamp (TOC)</b>		LMX26	LMX26	LMX26	LMX26



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