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**Thermo Barnstead Nanopure
Biological UF (part number D11921)
Performance Specifications**

Produce ultra-pure water with the outstanding performance of the Thermo Barnstead NanoPure system, designed for labs requiring up to 15L/day of ultra-pure water. Compact and reliable, this system is great for applications such as HPLC or other instrumental analyses, sample preparation, glassware rinsing or molecular biology work in which endotoxins and/or nucleases would interfere. Place the system without direct access to a water line with the optional integrated 6L feed water reservoir. Easily view the screen with a back-lit, tilting display. Monitor feed water quality to help maximize cartridge life.

Performance Specifications

| | |
|--|------------------------|
| Resistivity | 18.2M Ω ·cm |
| Conductivity | 0.055 μ S/cm |
| Feedwater Source | Pretreated |
| Flow Rate | Up to 2L/hr. |
| Total Organic Carbon | Without TOC monitoring |
| Endotoxin Concentration | 0.001 EU/mL |
| Bacterial Content | <1 CFU/mL |
| Particles >0.2 μ M/mL | <1 μ M/mL |
| TOC Monitor with UV-Intensity Monitoring | No |
| Feed Water Monitoring | No |
| Feedwater Pressure | 100psig (6.9 Bar) |
| Height (English) | 19.5 in. |
| Height (Metric) | 49.5cm |
| Width (English) | 13.5 in. |
| Width (Metric) | 34.3cm |
| Length (English) | 17.5 in. |
| Length (Metric) | 44.5cm |
| Voltage | 100-240V |
| Hertz | 50/60Hz |
| Inlet Water Temp(English) | 40° to 104°F |
| Inlet Water Temp(Metric) | 4° to 40°C |
| Model | Standard |
| Phase | 1 |
| Type | Biological UF |

Certifications/Compliance Produces water that exceeds ASTM™, ISO 3696 and CLSI-CLRW Type I water requirements. CE, CSA Dimensions (L x W x H) 17.5 x 13.5 x 19.5 in. (44.5 x 34.3 x 49.5cm) Electrical Requirements 100-240V 50/60Hz

Key Features:

- Maximum flowrate (at 10psi pressurized feed): 0.53 gal./min. (2L/min.)
- Inlet water temperature: 4° to 40°C (40° to 104°F)
- Built-in UV oxidation chamber in some models oxidizes and measures the levels of organics in the water
- 0.2µm absolute final filter maintains bacterial- and particle-free water
- Systems can be customized with a cartridge pack (available separately) to meet specific feedwater needs

System Operation Features:

- Volumetric or timed dispensing of ultrapure water
- Multilanguage display
- Whisper-quiet operation
- Pressure-regulating valve that minimizes problems associated with fluctuations in feedwater pressure
- Automatic sanitization cycle that keeps system clean
- Standby mode that recirculates water every 10 minutes during periods of nonuse to maintain water quality
- Automatic calibration verifies electronics and assures accurate purity readings
- Can be wall- or bench-mounted without additional items
- Optional Thermo Scientific Barnstead Remote Dispenser and Thermo Scientific Barnstead Accudispense Volumetric Dispenser available for water delivery up to 8' away

Nanopure Biological UF:

- For any pyrogen determinant analysis including PCR and cell and tissue culture
- An ultrafilter in the system produces ultrapure water with undetectable levels of pyrogens, less than 0.001EU/mL, log reduction values (LRV) over 6
- Prevents buildup of contaminants on membrane surface; Nanopure periodically flushes water to drain
- Automatic cleaning cycle enables routine cleaning with the push of a button

Ordering Information:

Optional Accessories include:

- Accudispense (0903526)
- Remote Dispenser (0903515)
- Printer (AY1137X1)
- Calibration Module (0903516)
- Low Pressure Pump Protector (D2706)
- Low Water Level Pump Protector (D8964)
- Dispense Overflow Cutoff Float (AY1367X1)

These products, as well as cartridge packs and replacement consumables, are available separately. For details, contact your sales representative.

Includes:

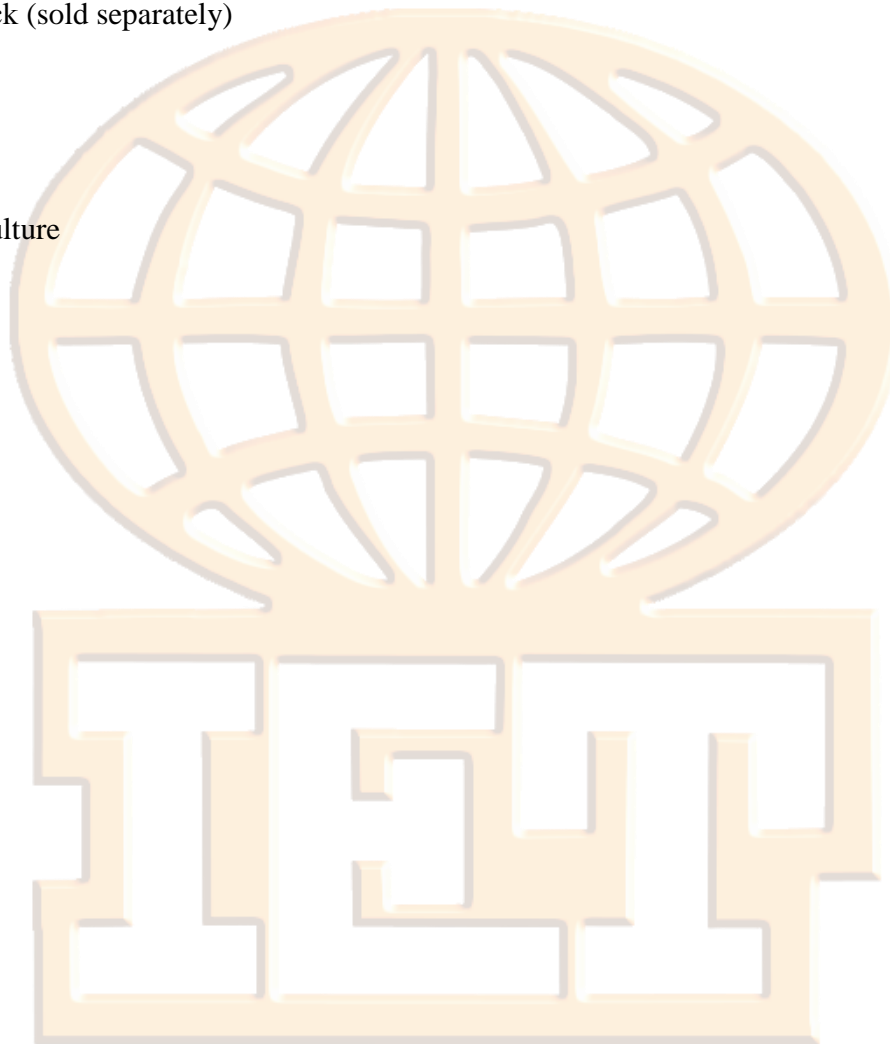
- Wall bracket
- Cleaning syringe
- UV lamp and/or ultrafilter where applicable

Requires:

- Cartridge pack (sold separately)

Recommended for:

- HPLC
- ICP
- GC/MS
- Cell/tissue culture
- PCR



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