

Product Guidelines for Site Installation

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|--|-------------------|---|
| Thermo Scientific™ Barnstead™ GenPure xCAD Plus™ Water Purification Systems | Item Description: | Type 1 Lab Water System with Wall Mounted Remote Dispenser |
| Model # 50131317, 50131315, 50131321, 50131323 | Manufacturer | Thermo Scientific |

Order # **50131317, 50131315, 50131321, 50131323**

NOTE: Barnstead GenPure xCAD Plus water purification systems come complete with wall bracket, pressure reducing valve, tubing, and all necessary consumables

A. RECOMMENDED FEED WATER SPECIFICATIONS

| | | | | |
|------------------|-----------------|------------------|--|-------|
| Colloid Index | SDI max. | < 1 | | SDI |
| Resistivity | µS/cm | > 0.5 | | µS/cm |
| TOC Value | ppb max. | < 50 | | ppb |
| Free Chlorine | ppm max. | < 0.05 | | ppm |
| Turbidity | NTU | < 1.0 | | NTU |
| Carbon Dioxide | ppm max. | < 30 | | ppm |
| Silicate | ppm max. | < 2 | | ppm |
| Pressure | PSI | 1.45 - 87 | | PSI |
| Feed Water Temp. | °C | 2 - 40 C | | °C |
| Recommended Type | ASTM 1, 2, or 3 | 2 | | |

B. ELECTRICAL POWER REQUIREMENTS

Electrical Specifications **115/240V** Volts **50/60** Hertz **2 - 1 A** Amps **Single** # of Phases

Total number of receptacles / plugs required to operate water **1**

Length of line cord **8** Feet **0** Inches

C. PLUMBING REQUIREMENTS

Water Inlet Line

Type of Fitting **Male NPT**
 Size of Fitting **3/4** Inch
 Manual Cutoff Valve **Strongly Recommend**

Waste Drain

Type of Drain **Atmospheric**
 Max. Distance from Unit **5** Feet

D. SPATIAL REQUIREMENTS

| | | | | | | |
|---|-------------|-------|-------------|-------|-------------|--------|
| Equipment exterior dimensions (inches): | 14.7 | Width | 13.3 | Depth | 24.2 | Height |
| Remote Dispenser dimensions (inches): | 12.3 | Width | 21 | Depth | 28.5 | Height |
| Equipment Weight (lbs): | 55 | Lbs. | | | | |
| Remote Dispenser Weight (lbs): | 26.5 | Lbs. | | | | |

Wall mount specifications: If the system is to be mounted on the wall or on a shelf the designated area must be capable of supporting up to 200 lbs. Dimensions with system wall bracket (in.)= 17.13 W X 14.21 D X 24.21 H

Remote Dispenser can be mounted no more than 9 feet away from the water system. Additional remote dispensers maybe mounted up to 9 feet away from each other.

E. Replacement Consumables

Replacement Consumables

- 09.2005 Ultra pure water cartridge
- 09.1003 0.2µm Final Filter
- 09.2201 Disinfection Cartridge
- CMX25 Disinfection Solution, 1 Time Use
- 50133980 Ultrafilter
- 09.2002 Replacement UV lamp
- 50136494* Additional bench mounted "client" xCAD remote dispenser
- 50136505* Additional wall mounted "client" xCAD remote dispenser

* Up to 2 additional "client" xCAD remote dispensers can be connected per water system in any mounting configuration (wall or bench).