

Product Guidelines for Site Installation

Thermo Scientific™ Barnstead™ GenPure xCAD Plus™ Water Purification Systems	Item Description:	Type 1 Lab Water System with Bench Mounted Remote Dispenser
Model # 50136152, 50136151, 50136153, 50136146	Manufacturer	Thermo Scientific

Order # **50136152, 50136151, 50136153, 50136146**

NOTE: Barnstead GenPure Pro 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**

ax. 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
- 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).