

Product Guidelines for Site Installation

Product Name:	Thermo Scientific™ Barnstead™ Mega-Pure® Water Distillation Systems	Item Description:	Tap to Type 2 Lab Water System
Model #	MP-1, 1.4LPH	Manufacturer	Thermo Scientific
Order #	A440266, A7981		

A. RECOMMENDED FEED WATER SPECIFICATIONS

Resistivity	µS/cm	> 0.001	µS/cm
Blocking Index	SDI max.	<3	SDI
Manganese	mg/l	> 0.05	mg/l
Iron	mg/l	> 0.05	mg/l
Free Chlorine	mg/l	< 0.1	mg/l
pH Range	pH	4-11	pH
Pressure	PSI	20-100	PSI
Flow Rate	GPH	4	GPH
Recommended Type	ASTM 1, 2, or 3	Tap	DIN2000

B. ELECTRICAL POWER REQUIREMENTS

Electrical Specifications								
A440266	120	Volts	50/60	Hertz	9	Amps	Single	# of Phases
A7981	240	Volts	50/60	Hertz	4.5	Amps	Single	# of Phases
Total number of receptacles / plugs required to operate water system.							1	
Length of line cord	5	Feet	0	Inches				

C. PLUMBING REQUIREMENTS

Water Inlet Line	
Type of Fitting	Male NPT
Size of Fitting	1/8
Manual Cutoff Valve	Strongly Recommend
Waste Drain	
Type of Drain	Atmospheric
Max. Distance from Unit	5
	Feet

D. SPATIAL REQUIREMENTS

Equipment exterior dimensions (inches):	23	Width	12	Depth	45	Height
Automatic Collection System (ACS) Dimensions (inches):	16.25	Width	16.25	Depth	38	Height
Bpure Cartridge Deionizer Dimensions (inches):	15	Width	7.0	Depth	27	Height
Equipment Weight (lbs):	60	Lbs.				
ACS Reservoir Weight (full) (lbs):	60	Lbs.				
Cartridge Deionizer Weight (lbs):	30	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.

E. Accessories / Replacement Consumables

Required Accessories

Reservoir Select One from the three options below:

413964 6L Plastic Reservoir

413934 13L Glass Reservoir

D440704 Automatic Collection System (includes 45L glass reservoir)

4402362 Dual Solenoid required if using pretreated boiler feed water and untreated cooling water

Optional Accessories

D4524 B-Pure Double Cartridge Deionizer with 50K ohm light (120V) (**REQUIRES** Still Adapter Kit (#331041))

Select Qty 2. Cartridges required below:

D0803 High Capacity Cartridge