

## Product Guidelines for Site Installation

Product Name:	<b>Thermo Scientific™ Barnstead™ Mega-Pure® Water Distillation Systems</b>	Item Description:	<b>Tap to Type 2 Lab Water System</b>
Model #	<b>MP-3A, 3.4LPH</b>	Manufacturer	<b>Thermo Scientific</b>
Order #	<b>A440367, A440696</b>		

### A. RECOMMENDED FEED WATER SPECIFICATIONS

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

### B. ELECTRICAL POWER REQUIREMENTS

Electrical Specifications								
<b>A440696</b>	<b>208</b>	Volts	<b>50/60</b>	Hertz	<b>13</b>	Amps	<b>Single</b>	# of Phases
<b>A440367</b>	<b>240</b>	Volts	<b>50/60</b>	Hertz	<b>11</b>	Amps	<b>Single</b>	# of Phases
Total number of receptacles / plugs required to operate water system.								<b>1</b>
Length of line cord		<b>5</b>	Feet	<b>0</b>	Inches			

### C. PLUMBING REQUIREMENTS

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

### D. SPATIAL REQUIREMENTS

Equipment exterior dimensions (inches):	<b>23</b>	Width	<b>12</b>	Depth	<b>45</b>	Height
Automatic Collection System (ACS) Dimensions (inches):	<b>16.25</b>	Width	<b>16.25</b>	Depth	<b>38</b>	Height
B pure Cartridge Deionizer Dimensions (inches):	<b>15</b>	Width	<b>7.0</b>	Depth	<b>27</b>	Height
Equipment Weight (lbs):	<b>60</b>	Lbs.				
ACS Reservoir Weight (full) (lbs):	<b>60</b>	Lbs.				
Dual Cartridge Deionizer Weight (lbs):	<b>30</b>	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 DoubleCartridgeDeionizer iwth 50K ohm light (120V) (REQUIRESStillAdapterKit(#331041)

**Select Qty. 2 cartridges required below:**

D400499 High Capacity Cartridge