

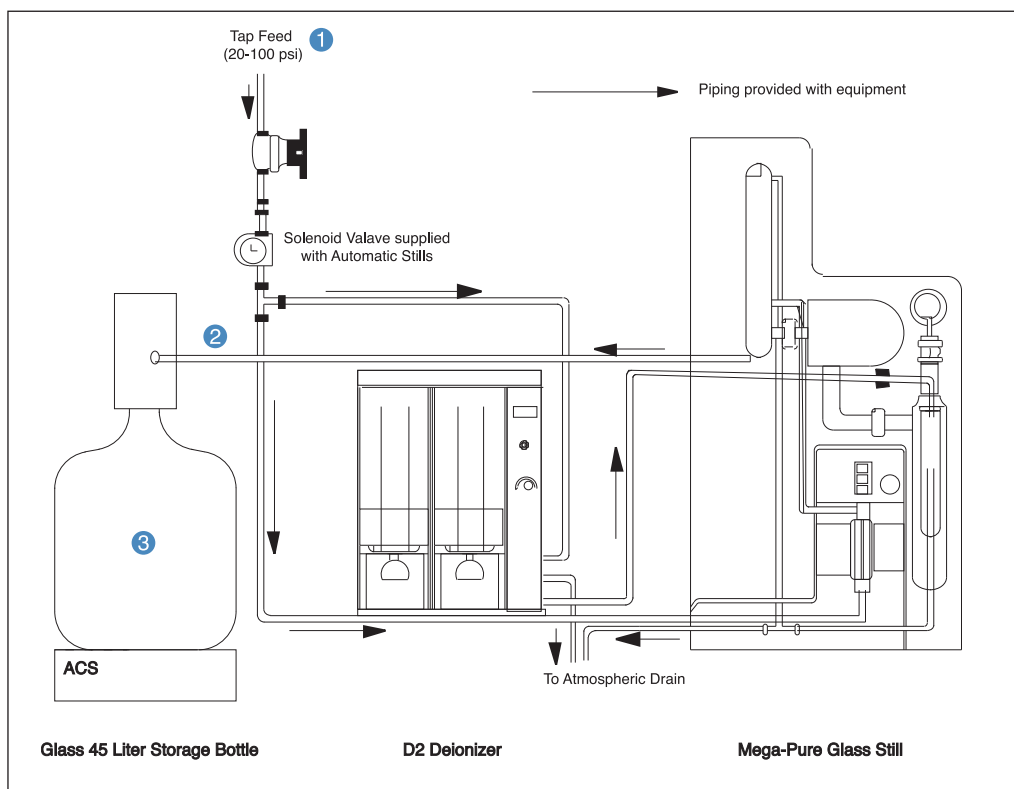
Thermo Scientific Barnstead Mega-Pure Glass Stills

Expected Purity from a Thermo Scientific Barnstead Mega-Pure MP3-A with Automatic Collection System (ACS).

Tap water feed and still product water were assayed for important water quality parameters.

Conclusion

Except for resistivity, the MP-3A still and ACS combination meets and exceeds ASTM Type 2 reagent grade water specifications. Even with resistivity below the 1.0 megohm Type 2 specification, the product water is suitable for laboratory applications that do not require Type 1 water. Results will vary with pretreatment options and feed water quality.



ACS



Mega-Pure D2 Deionizer



Mega-Pure Glass Stills

Thermo Scientific Barnstead Mega-Pure Glass Stills Water Quality Results

Sample Location (Refer to reverse)	Tap Water (1)	Distillate Tube (2)	ACS (3)
Resistivity (Megohm-cm)	0.0042	0.76	0.68
TOC (mg/L)	1.3	< 0.05	0.058
Bacteria (CFU/mL)			
24 hr.	—	0.0	0.0
48 hr.	—	0.0	0.0
72 hr.	—	0.0	0.0
Endotoxin (Eu/mL)	7.0 average	<0.005	<0.005
Calcium (µg/L)	(23.25 mg/L)	6	<5.0
Magnesium (µg/L)	(75.03 mg/L)	<1.0	<1.0
Sodium (µg/L)	(13.95 mg/L)	<5.0	<5.0
Silver (µg/L)	—	<1.0	<1.0
Copper (µg/L)	—	<1.0	<1.0
Lead (µg/L)	—	<1.0	<1.0
Nickel (µg/L)	—	<5.0	<5.0
Manganese (µg/L)	—	<0.1	<0.1
Tin (µg/L)	—	<6.0	<6.0
Cadmium (µg/L)	—	<0.2	<0.2
Chromium (µg/L)	—	<1.0	<1.0
Silica (µg/L)	(12.04 mg/L)	<3.0	<3.0
Chloride (µg/L)	(24.25 mg/L)	<5.0	<5.0
Ammonia (µg/L)	—	<10.0	<10.0
Free Chlorine (mg/L)	0.15	0.19	below detection limit

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