

Barnstead Mega-Pure Glass Stills

Barnstead Mega-Pure Glass Stills effectively remove inorganic solids, organics with boiling points higher than water, bacteria, and pyrogens. The stills are constructed of non-leaching components to ensure high purity water.



Product Features

- Contact with only glass, quartz and Teflon® components ensures ultimate purity and eliminates cross-contamination
- Choice of three production capacities
- Units are easily wall- or bench-mounted
- Vertical condenser design provides maximum purity
- High temperature cut-off shuts down the still if the temperature is too high, preventing heating element burnout
- Quick release cover provides easy cleaning access
- Connection to Automatic Collection System (ACS) assures a 24-hour automatic system
- Includes feed water solenoid valve for automatic operation

MP-1

- Compact, easy-to-use 1 L/hr glass still available with or without a storage bottle

MP-3A and MP-6A

- Ideal for larger volume demands with storage and options

Routine Laboratory Work

- Rinsing lab glassware
- Supplying autoclaves and ultrapure water systems
- Preparing and diluting buffers, reagents, and media

Quick Look Comparison			
	MP-1	MP-3A	MP-6A
System features	Compact, easy-to-use	Stills for larger volume demands	
Product water capacity, L/hr	1	3	6
Cooling water capacity, L/hr	11.3	30.3	53
Number of heaters	1	1	2
Resistivity at 25 °C, MΩ.cm	1-10	1-10	1-10

Glass stills ideal for biological applications

Product Accessories

Automatic Collection System (ACS)

- All glass system designed to collect water from the Mega-Pure Glass Stills and control their operation
- Generous 45 L capacity
- Easy wall- or bench-mount
- Preset to shut off the power to the heaters and the water supply to the still after the bottle has collected approximately 45 L
- The system will automatically restart the still and refill the collection system when the purified water supply has been depleted to approximately 38 L

Pretreatment for hard water

- Allows for pretreating feed water to Mega-Pure Glass Stills
- B-Pure single or dual cartridge deionizer reduces scale build up and increases distillate purity
- Greater flexibility in meeting varying feed water qualities
- Purity light measures water quality and indicates when cartridges are exhausted
- Large cartridge capacity for extended cartridge use
- Unit must be wall mounted



Plastic Bottle (413964)



13 L Bottle (413934)



Automatic Collection System



Barnstead B-Pure
Cartridge Holder

Barnstead Mega-Pure Glass Stills (continued)

Specifications and Ordering Information

Product Specifications				
Inlet water temperature °C (°F)	Vent temperature °C (°F)	Auto drain	Inlet pressure (psig)	Auto start/stop controls
4-37 (39.2-98.6)	85-96.7 (185-206)	No	20-100	Yes

System Options							
	Volume output (L/hr)*	Overall dimensions W x H x D in (cm)	Electrical (50/60 Hz)			Model number	
			Volts	Amps	Phase	Unit	6 L bottle included
MP-1**	1.4	18 x 34 x 9.75 (45.7 x 86.4 x 24.8)	120	9	1	A440266	A440267
MP-3A**	3.4	23 x 45 x 12 (58.4 x 114.3 x 30.5)	240	11	1	A440367	–
			208	13	1	A440696	–
MP-6A**	6	23 x 45 x 12 (58.4 x 114.3 x 30.5)	240	21	1	A440518	–
			208	25	1	A440697	–

Required Accessories		Model Number
Dual solenoid Required if using pretreated boiler feed water and untreated (tap) cooling water	MP-1 (240 V), MP-3, MP-6A	440236
	MP-1 (120 V)	RY798X2A

Storage solutions
See Storage Options

Optional Accessories		Model Number
Single Cartridge Deionizer Single cartridge deionizer removes inorganic contaminants. Use with adapter kit to connect to Megapure still. Wall mount only. 7 x 24 x 7 in (17.8 x 61 x 17.8 cm)		D4511 Single Bpure; 331040 Adapter Kit; D0803 High Capacity Cartridge (Recommended)
Double Cartridge Deionizer Provides increased capacity to remove inorganic contaminants. Suggested combination - (2) High Capacity cartridges. Use with adapter kit to connect to MegaPure still. Wall mount only. 15 x 27 x 7 in (38.1 x 68.65 x 17.8 cm)		D4524 Double Bpure with 50 Kohm light; 331041 Adapter kit; D0803 High Capacity Cartridge (Qty 2 Recommended)
Deionization cartridges	High purity cartridge Used in the Bpure unit for higher purity	D0809
	High capacity cartridge Used in Bpure. Removes ionized solids for extended capacity	D0803
	Organic removal cartridge Used in Bpure for organic and chlorine removal	D0813

* Volume Output for 208 V units can be reduced up to 25 % less than specified.



Storage Options		Model Number
Storage bottles For manual operation	Plastic bottle, 6 L capacity For use with MP-1 and MP-3A stills	413964
	Glass bottle, 13 L capacity For use with any Mega-Pure Glass Still	413934
Automatic collection system (ACS) For use with any Mega-Pure Glass Still. Collects up to 45 L of water and controls the still. Dimensions: W x H x D 16.25 x 38 x 16.25 in (41.3 x 96.5 x 41.3 cm)	Automatic collection system (ACS) unit	B440704
	Flexible tubing adapter kit Needed when the supplied glass tubing is either too long or too short to reach still. Flexible tubing is not included. 0.5 inch Teflon tubing able to handle 80-90 °C water is recommended	440138
	ACS wall mounting bracket	400634
	Adapter for ACS washer hook-up for glassware washers	440241

