

# Thermo Scientific Barnstead Classic Stills

Barnstead Classic Stills effectively remove inorganic solids, organics, bacteria, and pyrogens. The stills are constructed of copper and bronze with a coating of pure tin. The inert nature of tin prevents any leaching of contaminants into the water.



## ROUTINE LABORATORY WORK

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

### Product Features

- Double-walled boiler and preheating of feed water conserves electricity
- Vented condenser allows for stripping of gaseous impurities
- Unique de-concentrator removes scale forming impurities from the boiler
- Unique Thermo Scientific Q-Baffle ensures high quality pyrogen free water by stripping contaminant laden water droplets from steam
- Space-saving horizontal condenser
- Metal construction withstands years of use
- Units are easily floor and bench mountable, depending on model
- Inert pure tin pathways assure product water quality
- Controller unit can be wall mounted

### Portable Stills

- Requires no permanent plumbing or electrical connections, allowing quick set-up
- Includes low water cut-off for safety protection
- Bench-mounted

### Floor Model Electric Stills

- Come standard with floor mounting stand
- New over temperature protection system improves safety
- New plug-and-play hardware allows for easier installation
- Capacities from 1 to 10 gal/hr
- Low water cut-off protects heating elements when water supply is interrupted
- Optional fully automatic controls allow for unattended operation
  - Stops still when storage reservoir is full, starts still when water level falls below preset level
  - Drains still boiler at selected 4-hour intervals to reduce scale formation

### Steam Still

- Utilize available in-house steam as heat source
- Optional automatic controls allow for unattended operation
  - Stops still when storage reservoir is full, starts still when water level falls below preset level
  - Drains still boiler at selected 4-hour intervals to reduce scale formation

### Quick Look Comparison

	Portable Electric Stills	Floor Model Electric Stills				Steam Stills
Product water capacity, gal/hr	1/2	1	2	5	10	10
Mounting	Bench	Floor				Floor



## Specifications and Ordering Information

### Tin-Coated Storage Reservoir Specifications

	Output gal/hr(L/hr)	Cooling water gal/hr (L/hr)	KW	Electrical (50/60 Hz)		Phase	Dimensions W x H x D in (cm)			Model number	
				Volts	Amps						
<b>Electric stills*</b> Floor stand included (except A1007)	<b>1/2 gal/hr Portable</b>	0.5 (1.9)	4 (15)	1.3	120	12	1	21 (52)	19 (49)	10 (26)	A1007
	<b>1 gal/hr</b>	1 (3.8)	8 (30)	2.6	120	23	1	22 (56)	66 (168)	10 (25)	A1011-A
		1 (3.8)	8 (30)	2.6	240	12	1	22 (56)	66 (168)	10 (25)	A1011-B-61
	<b>2 gal/hr</b>	2 (7.6)	16 (61)	6	240	26	1	23 (58)	68 (173)	11 (28)	A1013-B-61
		2 (7.6)**	16 (61)	6	208	17	3	23 (58)	68 (173)	11 (28)	A1013-C
	<b>5 gal/hr</b>	5 (19)	40 (151)	13	240	57	1	35 (89)	77 (196)	14 (36)	A1015-B-61
5 (19)**		40 (151)	13	208	36	3	35 (89)	77 (196)	14 (36)	A1015-C	
<b>10 gal/hr</b>	10 (38)	80 (303)	26	240	66	3	37 (94)	89 (226)	14 (36)	A1016-D	
<b>Steam stills*</b>	Output gal/hr (L/hr)	Cooling water gal/hr (L/hr)	Steam pressure (PSI)	Boiler horsepower	Steam lb/hr (kg/hr)	Dimensions W x H x D in (cm)			Model Number		
	<b>10 gal/hr</b>	10 (38)	38 (144)	35-50	3.5	90 (41)	37 (94)	90 (229)	14 (36)	A1213	

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

Required Accessories		Model Number
<b>Steam still floor stand</b>	For 10 gal/hr steam stills only	G1000
<b>Storage reservoir</b>	Choose a storage reservoir that best fits your needs – go to Thermo Scientific Barnstead Classic Still Storage Reservoirs and Accessories on pages 70-71	
Optional Accessories		
<b>Fully automatic controls</b> 120V (50/60Hz) includes feed water and drain solenoid valves, manual valves, piping and level monitor	For use with 1 and 2 gal/hr electric stills	G2100
	For use with 5 gal/hr electric stills	G2110
	For use with 10 gal/hr electric still	G2125
	For use with 10 gal/hr steam still	G2020



# tin lined for pure water