



Analog
33ZZ17



Electronic
33ZZ40

heidolph North America
LABORATORY

Benchtop Autoclaves

Self-contained design eliminates external plumbing and hardwiring. 316 stainless steel chamber ensures high corrosion resistance. Fast exhaust allows quick cycle time of solids and slow exhaust prevents media and liquid boil-over. Closed-door drying system maintains sterility. Drying cycle removes residual moisture after sterilization. Continuous pressure purge eliminates air pockets. Large-capacity water reservoir helps avoid frequent fill-ups. Auto shut-off feature saves energy. Standard safety features include a heat-insulated, double locking door; automatic low-water level shut-off; over-temperature cut-off; and over-pressure valve. UL Classified.

Analog—Manually-operated sterilizers include a 60-min. cycle timer, temperature selection from 100°C to 134°C (212°F to 273°F), and combination pressure and temperature gauge with peak indicator.

Electronic—Digital display shows temperature, pressure, and running time. Up to 59-min. sterilization time and temperature selection from 105°C to 137°C (221°F to 279°F). In-line particle filter protects valves. Low-water alarm sounds when reservoir needs refilling. Feature electronic pressure and temperature sensors. Standby heating keeps chamber warm for quicker cycles. Models with printer meet GLP requirements. EA models have preloaded cycles for sterilizing packs, pouches, pipette racks, and instruments.

Cap.	Watts	Chamber Dia.	Chamber H	Voltage (AC)	Item No.
Analog Autoclaves					
7.5 L	1,050 W	7 1/4 in	12 1/4 in	120V AC	33ZZ17
23 L	1,400 W	9 1/4 in	16 13/16 in	120V AC	33ZZ27
34.4 L	2,200 W	12 13/16 in	18 15/32 in	220V AC	33ZZ44
65 L	2,400 W	15 in	20 in	220V AC	33ZZ38
84 L	2,400 W	15 in	27 1/4 in	220V AC	33ZZ41
Electronic Autoclaves w/Printer					
34.4 L	2,200 W	12 1/2 in	18 15/32 in	220V AC	33ZZ48
65 L	2,400 W	15 in	20 in	220V AC	33ZZ40
84 L	2,400 W	15 in	27 1/4 in	220V AC	33ZZ42
Electronic Autoclaves w/Printer - EA Models					
23 L	1,400 W	9 1/4 in	16 13/16 in	120V AC	33ZZ30
84 L	2,400 W	15 in	27 1/4 in	220V AC	33ZZ47
Environmental Electronic Autoclave w/Printer					
23 L	1,400 W	9 1/4 in	16 13/16 in	220V AC	33ZZ35
Kwiklave Electronic Autoclave w/Printer					
23 L	1,400 W	9 1/4 in	16 13/16 in	220V AC	33ZZ31



8NAD4



9V391

BioClave Research Benchtop Autoclaves



Provide automatic, full-cycle operation—fill, sterilize, exhaust, dry—at the push of a button. Self-contained reservoirs for clean and used water do not require direct hookup to water service. Chamber pressure, temperature, and cycle state/remaining time are shown on large, clear digital displays. Safety interlock keeps door closed until pressure reaches 0 psi. Include stainless steel rack, trays, tray handle, draining hoses, and spare door gasket and fuses.

Standard 4-cycle options are preset for sterilizing liquids, wrapped instruments, or unwrapped instruments/plasticware, and can be adjusted as needed for special applications. 5th option, Dry Only, can extend drying time at the end of a cycle. A USB drive can be inserted and used as a method for storing a report of the cycle. CE Certified.

Description	Cap.	Watts	Temp. Range	Chamber Dia.	Chamber L	Item No.
Mini Autoclave	8 L	950 W	121°C to 134°C	6 3/4 in	15 1/2 in	8NAD4
Autoclave	16 L	1,600 W	121°C to 134°C	9 in	13 3/4 in	9V391



61NH88



61NJ04



61NJ13



Labware Washers

- 22.6 in x 21.3 in x 18.8 in interior clearance
- 93°C (199°F) rinse temp.
- 12.9 L of water used
- 304 stainless steel construction
- See Grainger.com for optional racks and other accessories

Dual washing and draining pumps reduce cross-contamination risk. Purified water pump brings nonpressurized or pressurized purified water into the tank for rinsing. 96 gpm recirculation rate. Fine-mesh drain filter traps debris. Steam cycle

penetrates and removes dried residue. Scrubbers are designed to wash and dry beakers and other wide-mouth or specialized glassware.

SteamScrubber washers include upper and lower standard racks. Upper rack has side release latches for easy lift-out and an extra wash arm. Feature a forced air drying system, 25° to 80°C (77° to 176°F). **FlaskScrubber** models offer a lower spindle rack and forced air drying through spindles, 25° to 80°C (77° to 176°F).

Description	Phase	Voltage	Amps	H	W	D	Item No.
SteamScrubber							
Undercounter Glassware Washers	Single	115V	20 A	32.1 in to 36 in	24.1 in	27.7 in	61NH88
	Single	208/230V	20 A				61NH89
	Three	208/230V	30 A				61NH90
Undercounter Glassware Washers with Window	Single	115V	20 A	32.1 in to 36 in	24.1 in	27.7 in	61NH91
	Single	208/230V	20 A				61NH92
	Three	208/230V	30 A				61NH93
Freestanding Glassware Washers	Single	115V	20 A	32.2 in to 36.1 in	24.3 in	27.8 in	61NH94
	Single	208/230V	20 A				61NH95
	Three	208/230V	30 A				61NH96
Freestanding Glassware Washers with Window	Single	115V	20 A	32.2 in to 36.1 in	24.3 in	27.8 in	61NH97
	Single	208/230V	20 A				61NH98
	Three	208/230V	30 A				61NH99
FlaskScrubber							
Undercounter Glassware Washers	Single	115V	20 A	32.1 in to 36 in	24.1 in	27.7 in	61NJ01
	Single	208/230V	20 A				61NJ02
	Three	208/230V	30 A				61NJ03
Undercounter Glassware Washers with Window	Single	115V	20 A	32.1 in to 36 in	24.1 in	27.7 in	61NJ04
	Single	208/230V	20 A				61NJ05
	Three	208/230V	30 A				61NJ06
Freestanding Glassware Washers	Single	115V	20 A	32.2 in to 36.1 in	24.3 in	27.8 in	61NJ07
	Single	208/230V	20 A				61NJ08
	Three	208/230V	30 A				61NJ09
Freestanding Glassware Washers with Window	Single	115V	20 A	32.2 in to 36.1 in	24.3 in	27.8 in	61NJ10
	Single	208/230V	20 A				61NJ11
	Three	208/230V	30 A				61NJ12
FlaskScrubber Vantage							
Freestanding Glassware Washers with Window and LED Light	Single	208/230V	20 A	32.2 in to 36.1 in	32.2 in	27.8 in	61NJ13
	Three	208/230V	30 A				61NJ14