



LABORATORY VERTICAL AUTOCLAVE

LABORATORY VERTICAL AUTOCLAVE

We offer a variety of vertical laboratory autoclaves for general purpose sterilization applications. Customers can choose from the range depending upon their application, volume and budgetary requirements. Features are designed specifically for lab based sterilizations used in research laboratories, pharmaceuticals, microbiology labs, food and chemical industries. High performance, reliable results and a longer life makes it an ideal choice.

Used in Food industry, Chemical industry, Research, Laboratory, Pharmaceutical.

Also known as Vertical Pressure Sterilizer, Vertical Pressure Autoclave, Vertical Sterilizer, Laboratory Vertical Autoclave,.

100 VERTICAL AUTOCLAVE



- Stainless steel structure
- Hand wheel type / Screw type
- Door safety lock system
- Digital Display
- Automatic exhaust system for cold air and pressure
- Over-temperature and over-pressure auto-protection
- Alarm function for completion of process and low water level
- Self-inflating type seal
- Optional: Drying system

SPECIFICATIONS

Model	BAVT-101	BAVT-102	BAVT-103	BAVT-104
Capacity	35L	50 L	75 L	100 L
Temperature Range	105~134°C			
Sterilization Temperature	134°C			
Heat Average	±1°C			
Working Pressure	0.22 MPa			
Maximum Working Pressure	0.23 Mpa			
Timer Range	0~60 min			
Overall Dimension (LxWxH)	480x460x850 mm	520x520x980 mm	560x560x980 mm	590x590x1080 mm
Packing Size	570x550x970 mm	590x590x1110 mm	650x630x1150 mm	680x650x1220 mm
Weight	42 / 56 kg	50 / 68 kg	70 / 90 kg	85 / 105 kg
Power	2500 W	3000 W	4500 W	
Power Supply	AC220V 50Hz			



BAVT-101



BAVT-102



BAVT-103



BAVT-104

300 VERTICAL AUTOCLAVE



- Microcomputer control system
- Unique anti scald design chamber for corrosion resistance
- Stainless steel chamber
- Five sterilization modes
- User friendly control panel
- Multi layered pressure protection
- Fully automatic internal discharge control embedded with a steam trapping bottle
- Automatic checking of locking condition of cover
- Automatic sterilization according to preset time
- Safety device: Self-induction pressure interlocking device, over temperature protection system, dry scorch protection system, overpressure protection, safety valve, over current and short circuit protection, cover inspection system, leakage protection device, anti-scald safety protection and automatic troubleshooting system

SPECIFICATIONS

Model	BAVT-301-A	BAVT-301-B	BAVT-302-A	BAVT-302-B
Capacity	36 L		54 L	
Function	Fully automatic, Drying function	Fully automatic	Fully automatic, Drying function	Fully automatic
Temperature Range	5°C-138°C			
Adjustment of Temperature	5 °C-40 °C		-	-
Sterilization Temperature	105-135°C			
Warming Temperature	45–60°C			
Warming Time	1–9999 min			
Melting Temperature	60-100			
Melting Time	1-300 min			
Humidity Range	10%-85% RH			
Working Pressure	0-0.6 MPa			
Chamber Dimension	320×530 mm		320×730 mm	
Overall Dimension (LxWxH)	460x542x1070 mm			
Weight	76/110 kg		80/120 kg	
Power	2300 W		2900 W	
Power Supply	220 V, 50Hz/60Hz		220 V, 60Hz	

Model	BAVT-303-A	BAVT-303-B	BAVT-304-A	BAVT-304-B
Capacity	80 L		100 L	
Function	Fully automatic, Drying function	Fully automatic	Fully automatic, Drying function	Fully automatic
Temperature Range	5°C-138°C			
Adjustment of Temperature	-	-	-	-
Sterilization Temperature	105-135°C			
Warming Temperature	45–60°C			
Warming Time	1–9999 min			
Melting Temperature	60-100			
Melting Time	1-300 min			
Humidity Range	10%-85% RH			
Working Pressure	0-0.6 MPa			

Chamber Dimension	400×700 mm	400×800 mm
Overall Dimension (LxWxH)	620x680x1040 mm	620x680x1140 mm
Weight	140/180 kg	145/185 kg
Power	4600 W	
Power Supply	220 V, 60Hz	

ACCESSORIES

Accessory Code	Name	Description
BX-59492	Stainless steel baskets	
BX-59504	Drainage hose	
BX-59516	Exhaust bottle	

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
BX-59528	Printer	
BX-59540	Printing set	
BX-59552	Load thermometer	
BX-59564	Cooling fan	
BX-59576	Temperature controller	
BX-59588	Temperature sensor	
BX-59600	Pressure Sensor	
BX-59612	Heater	
BX-59624	Sealing ring	

Accessory Code	Name	Description
BX-59636	Pressure gauge	
BX-59648	Stainless steel pail	
BX-59660	Relay	
BX-59672	Main board	
BX-59684	Display board	
BX-59696	Jiggle switch	
BX-59708	Handle	
BX-59720	Pressure switch	
BX-59732	Solenoid Valve	



BAVT-301-A



BAVT-301-B



BAVT-302-A



BAVT-302-B



BAVT-303-A



BAVT-303-B



BAVT-304-A



BAVT-304-B

400 VERTICAL AUTOCLAVE



- Microcomputer control system
- Stainless steel chamber
- Six sterilization modes
- Resin coated insulation of Chamber cover and bench to avoid hand burns
- User friendly control panel
- Waste sterilization mode and drying function
- Rounded corners avoid collisions and injuries
- Automatic sterilization according to preset time
- Temperature and pressure calibration interface
- Convenience of frequent water feeding
- Automatic monitoring of the discharge conditions of cold air
- Automatic opening of the vent valve to discharge steam on completion of sterilization procedure
- Fully automatic internal discharge control embedded with a steam trapping bottle
- Safety function: "Eight-column evenly distributed" interlocking device, electric double inner locks, dry scorch protection, overpressure protection, safety valve, over temperature protection, overcurrent and short circuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting

SPECIFICATIONS

Model	BAVT-401-A	BAVT-401-B	BAVT-401-C
Capacity	60 L		
Function	Fully automatic, Automatic water feeding, Fast cooling fan, Drying function	Fully automatic, Automatic water feeding, Fast cooling fan	Fully automatic
Sterilization Temperature	105-138°C		
Sterilization Time	1-300 min		
Warming Temperature	45-60°C		
Warming Time	1-9999 min		
Melting Temperature	60-100		
Melting Time	1-300 min		
Steam Exhausting Temperature	73-104°C		
Humidity Range	10%-85% RH		
Working Pressure	0-0.6 MPa		
Maximum Working Pressure	0.27 MPa		
Timer Range	0 minute-6 days		
Chamber Dimension	400×505 mm		
Overall Dimension (LxWxH)	660x644x980 mm		
Weight	101/140 kg		
Power	2900 W		
Power Supply	220 V, 60Hz		

Model	BAVT-402-A	BAVT-402-B	BAVT-402-C
Capacity	85 L		
Function	Fully automatic, Automatic water feeding, Fast cooling fan, Drying function	Fully automatic, Automatic water feeding, Fast cooling fan	Fully automatic
Sterilization Temperature	105-138°C		

Sterilization Time	1-300 min
Warming Temperature	45–60°C
Warming Time	1–9999 min
Melting Temperature	60-100
Melting Time	1-300 min
Steam Exhausting Temperature	73–104°C
Humidity Range	10%-85% RH
Working Pressure	0-0.6 MPa
Maximum Working Pressure	0.27 MPa
Timer Range	0 minute-6 days
Chamber Dimension	400×700 mm
Overall Dimension (LxWxH)	660x644x980 mm
Weight	113/160 kg
Power	4600 W
Power Supply	220 V, 60Hz

Model	BAVT-403-A	BAVT-403-B	BAVT-403-C
Capacity	110 L		
Function	Fully automatic, Automatic water feeding, Fast cooling fan, Drying function	Fully automatic, Automatic water feeding, Fast cooling fan	Fully automatic
Sterilization Temperature	105-138°C		
Sterilization Time	1-300 min		
Warming Temperature	45–60°C		
Warming Time	1–9999 min		
Melting Temperature	60-100		
Melting Time	1-300 min		
Steam Exhausting Temperature	73–104°C		
Humidity Range	10%-85% RH		
Working Pressure	0-0.6 MPa		
Maximum Working Pressure	0.27 MPa		
Timer Range	0 minute-6 days		
Chamber Dimension	400×895 mm		
Overall Dimension (LxWxH)	660x644x1180 mm		
Weight	125/170 kg		
Power	4600 W		
Power Supply	220 V, 60Hz		

ACCESSORIES

Accessory Code	Name	Description
BX-59492	Stainless steel baskets	
BX-59504	Drainage hose	
BX-59516	Exhaust bottle	

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
BX-59528	Printer	
BX-59540	Printing set	
BX-59552	Load thermometer	
BX-59564	Cooling fan	
BX-59576	Temperature controller	
BX-59588	Temperature sensor	
BX-59600	Pressure Sensor	
BX-59612	Heater	
BX-59624	Sealing ring	

Accessory Code	Name	Description
BX-59636	Pressure gauge	
BX-59648	Stainless steel pail	
BX-59660	Relay	
BX-59672	Main board	
BX-59684	Display board	
BX-59696	Jiggle switch	
BX-59708	Handle	
BX-59720	Pressure switch	
BX-59732	Solenoid Valve	



BAVT-401-A



BAVT-401-B



BAVT-401-C



BAVT-402-A



BAVT-402-B



BAVT-402-C



BAVT-403-A



BAVT-403-B



BAVT-403-C

500 VERTICAL AUTOCLAVE



Sterilization process can be pre-set and completed automatically

Simple and easily understandable control panel to show the sterilization temperature, sterilization time and drying time at the same time, pressing separate keys to set the temperature and time makes the operation easier

System automatically monitors the discharging of the cold air to guarantee a pure steam sterilization environment and optimal sterilization effects

LED screen clearly shows the dynamic sterilization process

13 error detection procedures to monitor the normal operation of the instrument

Self-induction interlocking devices to avoid risk of misuse

Dual overpressure protection system: upon detection of any abnormal pressure, system will relieve pressures or disconnect power supplies

Over temperature protection system: power supply will be disconnected for protection upon detection of over temperature

Dry soorch protection system: power supply will be disconnected for protection upon detection of overflow water level

Cover checking system: system can automatically check the locking of the cover, if the cover is not tightly locked, the autoclave can't be started

Electric leakage, over current and short circuit protection: system will disconnect the power supply to avoid an electricity shock or other accidents

Unique anti-scald cover and bench: avoid causing corrosions and scald

SPECIFICATIONS

Model	BAVT-501-B	BAVT-501-A	BAVT-502-B	BAVT-502-A
Capacity	36 L		50 L	
Function	Fully automatic	Fully automatic + Drying	Fully automatic	Fully automatic + Drying
Sterilization chamber (Dia*mm)	ø325x460		ø325x670	
Working environment	5°C-40°C, relative humidity 10%-85%			
Chamber material	SUS 304 stainless steel			
Sterilization Temperature	105-135°C			
Sterilization Time	1-300 min			
Range of pressure gauge	0-0.4 Mpa			
Controller	Microcomputer control system			
Mode	Solid mode, liquid mode			
Stainless steel basket (Dia*H,mm)	(ø300x200)x2		(ø300x200)x3	
Overall Dimension (LxWxH)	460x542x960 mm		460x542x1070 mm	
Power	2300		2600	
Standard Accessories	Stainless steel baskets, waste bottle, water plate, drainage hose			
Optional Accessories	Printer, printing set, stainless steel pails			
Power Supply	AC220V 50Hz			
Drying time range	-	1-300 min	-	1-300 min

Model	BAVT-503-B	BAVT-503-A	BAVT-504-B	BAVT-504-A
Capacity	80 L		100 L	
Function	Fully automatic	Fully automatic + Drying	Fully automatic	Fully automatic + Drying
Sterilization chamber (Dia*mm)	ø400x709		ø325x889	
Working environment	5°C-40°C, relative humidity 10%-85%			

Chamber material	SUS 304 stainless steel		
Sterilization Temperature	105-135°C		
Sterilization Time	1-300 min		
Range of pressure gauge	0-0.4 Mpa		
Controller	Microcomputer control system		
Mode	Solid mode, liquid mode		
Stainless steel basket (Dia*H,mm)	(\varnothing 360x280)x2		(\varnothing 360x220)x3
Overall Dimension (LxWxH)	620x680x1042 mm		620x680x1222 mm
Power	4600		
Standard Accessories	Stainless steel baskets, waste bottle, water plate, drainage hose		
Optional Accessories	Printer, printing set, stainless steel pails		
Power Supply	AC220V 50Hz		
Drying time range	-	1-300 min	- 1-300 min



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