

**VERTICAL AUTOCLAVE**



# VERTICAL AUTOCLAVE

Laboratory Vertical Autoclave is designed to accommodate a wide range of applications. The user can choose to add the features needed according to intended use. Features are designed specifically for lab based sterilizations used in pharmaceuticals, microbiology labs, research laboratories, food and chemical industries. Very reliable and convenient method of sterilization. Used in Laboratory, Pharmaceutical, Food industry, Chemical industry, Research. Also known as Laboratory Vertical Autoclave, Vertical Pressure Sterilizer, Vertical Pressure Autoclave, Vertical Sterilizer.

## AV1 SERIES 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	AV111	AV112	AV113	AV121
Capacity	36 L			54 L
Function	Fully automatic, Drying function	Fully automatic	Fully automatic, No flow chart	Fully automatic, Drying function
Temperature Range	5°C-138°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, 50 Hz/60 Hz	220 V, 60 Hz

Model	AV122	AV123	AV131	AV132
Capacity	54 L		80 L	
Function	Fully automatic	Fully automatic, No flow chart	Fully automatic, Drying function	Fully automatic
Temperature Range	5°C-138°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	320×730 mm		400×700 mm	
Overall Dimension (LxWxH)	460x542x1070 mm		620x680x1040 mm	
Weight	80/120 kg		140/180 kg	
Power	2900 W		4600 W	
Power Supply	220 V, 60 Hz			

Model	AV133	AV141	AV142	AV143
Capacity	80 L	100 L		
Function	Fully automatic, No flow chart	Fully automatic, Drying function	Fully automatic	Fully automatic, No flow chart
Temperature Range	5°C-138°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	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, 60 Hz			

## ACCESSORIES

Accessory Code	Name
AX1001	Stainless steel baskets
AX1002	Drainage hose
AX1003	Exhaust bottle

## OPTIONAL ACCESSORIES

Accessory Code	Name
AX1004	Printer
AX1005	Printing set
AX1006	Load thermometer
AX1007	Cooling fan
AX1008	Temperature controller
AX1009	Temperature sensor
AX1010	Pressure Sensor
AX1011	Heater
AX1012	Sealing ring

Accessory Code	Name
AX1013	Pressure gauge
AX1014	Stainless steel pail
AX1015	Relay
AX1016	Main board
AX1017	Display board
AX1018	Jiggle switch
AX1019	Handle
AX1020	Pressure switch
AX1021	Solenoid Valve

## AV2 SERIES 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
- Quality Control and quality guarantee



## SPECIFICATIONS

Model	AV211	AV212	AV213
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, 60 Hz		

Model	AV221	AV222	AV223
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, 60 Hz

Model	AV231	AV232	AV233
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, 60 Hz		

## ACCESSORIES

Accessory Code	Name
AX1001	Stainless steel baskets
AX1002	Drainage hose
AX1003	Exhaust bottle

## OPTIONAL ACCESSORIES

Accessory Code	Name
AX1004	Printer
AX1005	Printing set
AX1006	Load thermometer
AX1007	Cooling fan
AX1008	Temperature controller
AX1009	Temperature sensor
AX1010	Pressure Sensor
AX1011	Heater
AX1012	Sealing ring

Accessory Code	Name
AX1013	Pressure gauge
AX1014	Stainless steel pail
AX1015	Relay
AX1016	Main board
AX1017	Display board
AX1018	Jiggle switch
AX1019	Handle
AX1020	Pressure switch
AX1021	Solenoid Valve

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