

MEDICAL AUTOCLAVE



MEDICAL AUTOCLAVE

Medical Autoclave assure proper cleaning and disinfection of instruments and utensils for medical, dental and laboratory field. It minimizes the risk of exposure to infection for each patient and provider. Due to its door locking system and small utilization of space, it becomes an ideal choice for the customers.

Used in Medical, Dental, Laboratory, Pharmaceutical, Research.

Also known as Medical Sterilizer, Medical Autoclave, Dental Autoclave, Pre and Post Vacuum Autoclave, Benchtop Autoclave, Benchtop Sterilizer, Benchtop Steam Sterilizer, Laboratory Medical Autoclave.

AM11 SERIES MEDICAL AUTOCLAVE



FEATURES

	AM111	AM112	AM113	AM114
Adjustable sterilization time	•	•	•	•
LED display	•	•	•	•
Class N autoclave Automatic running (filling & draining)	•			
Less place to be occupied	•			
Built-in steam generator in Chamber		•	•	•
ISO & CE 1366 Certified		•	•	•
Printer: Thermal/Stylus		•	•	•
Interface: RS232		•	•	•
Filtered water can also be used		•	•	•
High density bacteria filter		•	•	•
Safety features: Over heat control, over pressure control, safety door locking system, low water level indicator		•	•	•

SPECIFICATIONS

Model	AM111	AM112	AM113	AM114
Capacity	8 L	12 L	18 L	22 L
USB output	RS232	-	-	-
Lock system of door	Mechanic + Electrical lockers			
Chamber Dimension	170x320 mm	200x360 mm	250x350 mm	250x450 mm
Overall Dimension (LxWxH)	533x365x532 mm	660x445x390 mm		700x445x390 mm
Weight	39/33 kg	36/45 kg	39/48 kg	41/50 kg
Power	1700 W			
Power Supply	220 V, 50 Hz	220 V, 60 Hz		
Printer	Thermal / Stylus	-	-	-
Sterilization Temperature	-	121°C, 134°C		
Sterilization Time	-	4 min - 20 min		
Times of Sterilization after filled up	-	Automatic water filling		
Working Pressure	-	0.11- 0.21 MPa		
Maximum Working Pressure	-	0.21 - 0.23 MPa		
Pressure Sensor	-	Yes		
Precision of Pressure Sensor	-	0.1 KPA		
Precision of Temperature Sensor	-	0.1°C		
Water supply system	-	Manual		
Quantity of clean water tank	-	1		
Quantity of waste water tank	-	1		
Water Tank	-	Water fed from outside tank		
Quantity of steam generator	-	1		
Water Filter	-	1		
Vapour Filter	-	Yes		
Temperature Sensor	-	Yes		
Automatic protection when overpressure	-	Yes		
Automatic protection when overtemperature	-	Yes		
Bacteria Filter	-	1		
Fuse	-	2		
Power Cable	-	1		
Screen size	-	2.5 x 2 cm, 3.8x 2 cm	2.5 x 2 cm, 3.8x 2cm	2.5 x 2 cm, 3.8x 2 cm
Life span	-	5 years		
Hot air exhaust system	-	Copper condenser, fan		
121°C Solid	-	Yes		
121°C Porous	-	No		
121°C Hollow	-	No		
134°C Solid	-	Yes		
134°C Porous	-	No		
134°C Hollow	-	No		

B&D Test	-	No		
Helix Test	-	No		
Vacuum Test	-	No		
Clean Program	-	No		
Prion Program	-	No		
User Define	-	No		
Diameter of chamber	-	200 mm	250 mm	
Depth of chamber	-	360 mm	350 mm	450 mm
Packing Size	-	790 x 500 X 495 mm	720x500X495 mm	790 x 500 X 495 mm
Minimum size of table for installation	-	460x320 mm		480x320 mm
Chamber Material	-	Stainless Steel		
Plug	-	3 hole plug		
Safety valve	-	1		
Tray	-	3		
Handle for tray holder	-	1		
Tray holder	-	1		
Instruction manual	-	1		
Sterilization programs	-	Yes/No		
Wattage	-	1700 W		

PROGRAM

Program	121°C Solid	134°C Solid
Vacuum Times	0	0
Temp (°C)	121	134
Pressure(KPA)	110	210
Time(Min.)	20	4

OPTIONAL ACCESSORIES

Accessory Code	Name	Unit	Accessory Code	Name	Unit
AX1022	Ring	1	AX1035	Three-way solenoid valve	2
AX1023	Inner temperature sensor	1	AX1036	Germ-tight filter	1
AX1024	pt1000	1	AX1037	Voltage transformer	1
AX1025	pt1000 (packing with plastic)	1	AX1038	switch	1
AX1026	Heating circle	1	AX1039	Bleeder valve	2
AX1027	Steam generator cover	1Set	AX1040	Fan	1
AX1028	Steam generator stand	1Set	AX1041	Printer	1
AX1029	Steam generator spring type gasket	1	AX1042	Control panel	1set
AX1030	Heating Rod	3	AX1043	LED	1set
AX1031	Water Pump	1	AX1044	Big Pipe	1Kg
AX1032	Vacuum Pump	1	AX1045	Small Pipe	1kg
AX1033	Fuse Wire	2	AX1046	Liquid sensor	3
AX1034	Normally closed solenoid valve	3	AX1047	Electromagnet	1

AM12 SERIES MEDICAL AUTOCLAVE

- Pre and Post Vacuum Sterilizer
- 5 Preset Sterilization Cycles
- LED Display
- Built-in steam generator in chamber
- Printer: Thermal/Stylus
- Interface: RS232
- Filtered water can also be used
- Automatic water feeding and draining system
- ISO & CE 1366 Certified
- Vacuum Helix and Bowie & Dick Test passed
- Safety functions: Over heat, over pressure, low water level indicator, safety door lock system present
- Prion programme available



SPECIFICATIONS

Model	AM121	AM122	AM123
Capacity	12 L	18 L	22 L
Sterilization Temperature	121°C, 134°C		
Sterilization Time	30 min	33 min	35 min
Times of Sterilization after filled up	Automatic water filling	3-4 times	Automatic water filling
Working Pressure	0.21 MPa		
Maximum Working Pressure	0.21- 0.23 MPa	0.21 - 0.23 MPA	
Pressure Sensor	Yes		
Precision of Pressure Sensor	0.1 KPA		
Precision of Temperature Sensor	0.1°C		
Maximum Vacuum in Bar	0.82	-	
Water supply system	Manual		
Quantity of clean water tank	1		
Quantity of waste water tank	1		
Water Tank	2 x 4.5 L Internal Stainless Steel water tanks		
Quantity of steam generator	1		
Water Filter	1		
Vapour Filter	Yes		
Temperature Sensor	Yes		
Automatic protection when overpressure	Yes		
Automatic protection when overtemperature	Yes		
Bacteria Filter	1		
Fuse	2		
Power Cable	1		
Lock system of door	Mechanic + Electrical lockers		
Screen size	2,5x2 cm 3,8x2 cm	2.5 x 2 cm, 3.8x 2 cm	
Life span	5 years		

Hot air exhaust system	Copper condenser, fan		
121°C Solid	Yes		
121°C Porous	Yes	No	
121°C Hollow	Yes	No	
134°C Solid	Yes		
134°C Porous	Yes	No	
134°C Hollow	Yes	No	
B&D Test	Yes	No	
Helix Test	No		
Vacuum Test	Yes	No	
Clean Program	No		
Prion Program	No		
User Define	No		
Chamber Dimension	200x360 mm	250x350 mm	250x450 mm
Diameter of chamber	200 mm	250 mm	
Depth of chamber	360 mm	350 mm	450 mm
Overall Dimension (LxWxH)	660x445x390 mm		700x445x390 mm
Packing Size	720 x 500 X 495 mm		790 x 500 X 495 mm
Minimum size of table for installation	460 x 320 mm		480x320 mm
Chamber Material	Stainless Steel SUS 304		
Plug	3 hole plug		
Safety valve	1		
Tray	3		
Handle for tray holder	1		
Tray holder	1		
Instruction manual	1		
Sterilization programs	Yes/No		
Weight	48/56 kg	41/50 kg	50/58 kg
Wattage	1700 W		
Power	1700 W		
Power Supply	220 V, 50 Hz		

PROGRAM

Program	121°C Solid	121°C Universal	134°C Solid	134°C Universal	Cotton	BD/Helix Test	Vacuum Test
Vacuum Times	1	3	1	3	3	3	3
Temp (°C)	121	121	134	134	134	134	/
Pressure(KPA)	110	110	210	210	210	210	-80
Time(Min.)	20	20	4	4	4	3.6	15

OPTIONAL ACCESSORIES

Accessory Code	Name	Unit
AX1022	Ring	1
AX1023	Inner temperature sensor	1
AX1024	pt1000	1
AX1025	pt1000 (packing with plastic)	1
AX1026	Heating circle	1
AX1027	Steam generator cover	1Set
AX1028	Steam generator stand	1Set
AX1029	Steam generator spring type gasket	1
AX1030	Heating Rod	3
AX1031	Water Pump	1
AX1032	Vacuum Pump	1
AX1033	Fuse Wire	2
AX1034	Normally closed solenoid valve	3

Accessory Code	Name	Unit
AX1035	Three-way solenoid valve	2
AX1036	Germ-tight filter	1
AX1037	Voltage transformer	1
AX1038	switch	1
AX1039	Bleeder valve	2
AX1040	Fan	1
AX1041	Printer	1
AX1042	Control panel	1set
AX1043	LED	1set
AX1044	Big Pipe	1Kg
AX1045	Small Pipe	1kg
AX1046	Liquid sensor	3
AX1047	Electromagnet	1

AM13 SERIES MEDICAL AUTOCLAVE

- Pre and Post Vacuum Sterilizer
- LED Display
- High density bacteria filter
- 5 Preset Sterilization Cycles
- Filtered water can also be used
- Prion programme available
- Printer: Thermal/Stylus
- Interface: RS232
- Vacuum Helix and Bowie & Dick test passed
- ISO & CE 1366 Certified
- Safety functions: Over heat, over pressure, low water level indicator, safety door lock system present.



SPECIFICATIONS

Model	AM131	AM132	AM133	AM134
Capacity	8 L	12 L	18 L	22 L
Sterilization Temperature	121°C, 134°C			
Sterilization Time	0-60 min	4 min – 60 min		
Times of Sterilization after filled up	3-4 times	4 -5 times	3-4 times	
Working Pressure	0.21 – 0.23 MPa			
Pressure Sensor	Yes			
Precision of Pressure Sensor	0.1 KPA			
Precision of Temperature Sensor	0.1°C			
Maximum Vacuum in Bar	0.82	-	-	-

Water supply system	Manual			
Quantity of clean water tank	1	-	-	
Quantity of waste water tank	1	-	-	
Water drain pipe	1	-	-	
Quantity of water pump	1	-	-	
Water Tank	2 x 1.5 L Internal Stainless Steel water tanks			
Quantity of steam generator	1	-	-	
Quantity of vacuum pump	1	-	-	
Type of vacuum pump	Double head			
Water Filter	1	-	-	
Vapour Filter	Yes			
Temperature Sensor	Yes			
Automatic protection when overpressure	Yes			
Automatic protection when overtemperature	Yes			
Bacteria Filter	1	-	-	
Fuse	2	-	-	
Power Cable	1	-	-	
Lock system of door	Mechanic + Electrical lockers			
Screen size	2.5 x 2 cm, 3.8x 2 cm	6 x 4.25 cm	2.5 x 2 cm, 3.8x 2 cm	
Life span	5 years			
Hot air exhaust system	Copper condenser, fan			
121°C Solid	Yes			
121°C Porous	Yes			
121°C Hollow	Yes			
134°C Solid	Yes			
134°C Porous	Yes			
134°C Hollow	Yes			
B&D Test	Yes			
Helix Test	No	Yes	No	
Vacuum Test	Yes			
Clean Program	No	Yes	No	
Prion Program	No	Yes	No	
User Define	No	Yes	No	
Chamber Dimension	500x1000 mm	200x360 mm	250x350 mm	250x450 mm
Diameter of chamber	170 mm	200 mm	250 mm	
Depth of chamber	320 mm	360 mm	350 mm	450 mm
Inner Dimension	535 X 365 X 320 mm	780 x 500 x 430 mm	660 X 445 X 390 mm	700 X 445 X 390 mm
Overall Dimension (LxWxH)	1000x600x1200 mm	660x445x390 mm		700x445x390 mm
Minimum size of table for installation	350 X 280 mm	540 x 415 mm	460 X 320 mm	480 X 320 mm
Chamber Material	Stainless Steel 304			
Plug	3 hole plug			

Safety valve	1	-	-
Tray	3	-	3
Handle for tray holder	1	-	-
Tray holder	1	-	-
Instruction manual	1	-	-
Sterilization programs	Yes/No		
Weight	34/40 kg	59/70 kg	48/56 kg 43/52 kg
Wattage	1700 W	2400 W	1700 W
Power	7500 W	1700 W	
Power Supply	220 V, 60 Hz		
Packing Size	-	-	720 x 500 x 495 mm 790 X 500 X 495 mm

PROGRAM

Program	121°C Solid	121°C Universal	134°C Solid	134°C Universal	Cotton	BD/Helix Test	Vacuum Test
Vacuum Times	1	3	1	3	3	3	3
Temp (°C)	121	121	134	134	134	134	/
Pressure(KPA)	110	110	210	210	210	210	-80
Time(Min.)	20	20	4	4	4	3.6	15

OPTIONAL ACCESSORIES

Accessory Code	Name	Unit	Accessory Code	Name	Unit
AX1022	Ring	1	AX1035	Three-way solenoid valve	2
AX1023	Inner temperature sensor	1	AX1036	Germ-tight filter	1
AX1024	pt1000	1	AX1037	Voltage transformer	1
AX1025	pt1000 (packing with plastic)	1	AX1038	switch	1
AX1026	Heating circle	1	AX1039	Bleeder valve	2
AX1027	Steam generator cover	1Set	AX1040	Fan	1
AX1028	Steam generator stand	1Set	AX1041	Printer	1
AX1029	Steam generator spring type gasket	1	AX1042	Control panel	1set
AX1030	Heating Rod	3	AX1043	LED	1set
AX1031	Water Pump	1	AX1044	Big Pipe	1Kg
AX1032	Vacuum Pump	1	AX1045	Small Pipe	1kg
AX1033	Fuse Wire	2	AX1046	Liquid sensor	3
AX1034	Normally closed solenoid valve	3	AX1047	Electromagnet	1

AM14 SERIES MEDICAL AUTOCLAVE

- Design: No screw design, looks very elegant. Moreover it makes the machines easier to disassemble.
- Tanks: With Thermal printer and USB output, never worry about the data any more.
- Wiring and Piping: Scientific wiring and piping, makes maintenance and repair an easy job.
- In this front loading option is available and it is fully automatic.
- Mechanical and Electrical safety option is maintained.



SPECIFICATIONS

Model	AM141	AM142	AM143	AM144
Capacity	8 L	12 L	18 L	22 L
Sterilization Temperature	121°C, 134°C			
Sterilization Time	4 min - 20 min			
Times of Sterilization after filled up	Automatic water filling			
Overall Dimension (LxWxH)	630x430x360 mm	630x500x430 mm	680x500x430 mm	
Packing Size	720x500x440 mm	720x570x510 mm	770x570x510 mm	
Weight	41/49 kg	48/56 kg	50/58 kg	53/61 kg

PROGRAM

Program	121°C Solid	121°C Hollow	121°C Porous	134°C Solid	134°C Hollow	134°C Porous	Prio n	User defined	BD/Helix Test	Vacuum Test	Clea n
Vacuum Times	1	3	3	1	3	3	3	User defined	3	1	3
Temp (°C)	121	121	121	134	134	134	134	User defined	134	/	105
Pressure(KPA)	110	110	110	210	210	210	210	User defined	210	-80	20
Time(Min.)	20	20	20	4	4	4	19	User defined	3.5	15	5

OPTIONAL ACCESSORIES

Accessory Code	Name	Unit
AX1022	Ring	1
AX1023	Inner temperature sensor	1
AX1024	pt1000	1
AX1025	pt1000 (packing with plastic)	1
AX1026	Heating circle	1
AX1027	Steam generator cover	1Set
AX1028	Steam generator stand	1Set
AX1029	Steam generator spring type gasket	1
AX1030	Heating Rod	3
AX1031	Water Pump	1
AX1032	Vacuum Pump	1
AX1033	Fuse Wire	2
AX1034	Normally closed solenoid valve	3

Accessory Code	Name	Unit
AX1035	Three-way solenoid valve	2
AX1036	Germ-tight filter	1
AX1037	Voltage transformer	1
AX1038	switch	1
AX1039	Bleeder valve	2
AX1040	Fan	1
AX1041	Printer	1
AX1042	Control panel	1set
AX1043	LED	1set
AX1044	Big Pipe	1Kg
AX1045	Small Pipe	1kg
AX1046	Liquid sensor	3
AX1047	Electromagnet	1

LABSTAC LTD.

Kemp House 152 – 160 City Road, London
EC1V 2NX, United Kingdom.
Email: contact@labstac.com
Website: www.labstac.com

