

Labomiz



Vertical Autoclaves



Email : Info@Labomiz.com | Website : www.Labomiz.com

Vertical Laboratory Autoclave MVA-1 series is a top loading sterilizer with safe, economic, effective operations. The vertical autoclave units is equipped with dual scale numerical pressure gauge to indicate temperature and pressure of the system. It works on electric heating or direct heating by immersing copper tubes of heating elements. It is equipped with user friendly control panel & has silicon rubber seal to prevent leakage. It can be used for sterilization of glass wares, biological materials culture media etc. in hospitals, clinical laboratories, science colleges and others.

Features:

- Made up of SUS304 stainless steel
- Dual scale numerical pressure gauge indicate temperature and pressure
- Uses electric heating or direct heating by immersing copper tubes of heating elements
- Provision to set sterilization time and temperature with the help of knobs
- Silicon rubber seal to prevent steam leakage
- Automatic shutdown with beep sound as sterilization complete
- Alarm to detect over heating followed by auto power cut
- Equipped with safety valve, electronic circuit safety system, emergency exhaust switch

Applications:

Used in pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology for effective sterilization of glass wares, biological materials, culture media and others.

Specifications :

Model No.	MVA-1A	MVA-1B	MVA-1C	MVA-1D	MVA-1E	MVA-1F
Capacity	35 L	50 L	75 L	100 L	120 L	150 L
Sterilization Temperature	105 to 134°C					
Sterilization Pressure	0.165 MPa					
Chamber Dimensions (ΦxD)	280 × 500 mm		388 × 530 mm	388 × 670 mm	460 × 670 mm	460 × 760 mm
Timer Range	0 ~ 80 min					
Heat Average	≤ ± 1 °C					

Vertical Laboratory Autoclave MVA-2 Series is a top loading sterilizer, made up of SUS304 stainless steel with two stainless steel sterilizing baskets. The self inflating seal and safe door lock system ensures safety and protection during sterilization process. It has features like auto protection against over temperature & over pressure, digital display to show working status & touch type keypad for user friendly operations. It can be used for sterilization of glass wares, biological materials, culture media etc. in hospitals, clinical laboratories, science colleges etc.

Features:

- ▶ Made up of SUS304 stainless steel with two stainless steel sterilizing baskets
- ▶ Digital display of working status with touch keypad
- ▶ Two stainless steel sterilizing baskets
- ▶ Self inflating type seal
- ▶ Auto protection against over temperature & over pressure
- ▶ Auto discharge of cool air and steam
- ▶ Safety door lock system
- ▶ Automatic shutdown with beep sound after completion of sterilization
- ▶ Provision of drying system as per the request



Applications:

Used in pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology for effective sterilization of glass wares, biological materials, culture media and others.

Specifications :

Model No.	MVA-2A	MVA-2B	MVA-2C	MVA-2D
Capacity	35 L	50 L	75 L	100 L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Chamber Dimensions (ΦxD)	318 × 450 mm	340 × 550 mm	400 × 600 mm	440 × 650 mm
Timer Range	0 ~ 99 min			
Number of sterilizing baskets	2			
Heat Average	≤ ± 1 °C			

Vertical Laboratory Autoclave MVA-3 series is a top loading sterilizer, composed of high quality stainless steel with two stainless steel sterilizing baskets. It is equipped with light indicator to display working status of sterilization process. It works on electric heating or direct heating by immersing copper tubes of heating elements. It gives auto protection against over temperature & over pressure. This vertical autoclave is used for sterilization of surgical instruments, glass wares, biological materials, culture media, dressing etc.

Features:

- ▶ Composed of stainless steel body with two stainless steel sterilizing baskets
- ▶ Equipped with light indicator to display working status
- ▶ Double scale indication pressure gauge
- ▶ Safe door lock system
- ▶ Auto power cut in case of water shortage
- ▶ Automatic shutdown with beep sound as sterilization completes
- ▶ Uses electric heating or direct heating by immersing copper tubes of heating elements
- ▶ Auto protection against over temperature and pressure



Applications:

Used in pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology for effective sterilization of glass wares, biological materials, culture media and others.

Specifications :

Model No.	MVA-3A	MVA-3B	MVA-3C	MVA-3D	MVA-3E	MVA-3F
Capacity	35 L	50 L	75 L	100 L	120 L	150 L
Sterilization Temperature	134 °C					
Sterilization Pressure	0.22 Mpa					
Chamber Dimensions (ΦxD)	318 × 450 mm	340 × 550 mm	400 × 600 mm	440 × 650 mm	480 × 660 mm	510 × 740 mm
Timer Range	0 ~ 60 min					
Number of sterilizing baskets	2					
Heat Average	≤ ± 1 °C					

Vertical Laboratory Autoclave MVA-4 Series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is composed of stainless steel body with hand wheel type structure to quickly open the door. It is equipped with digital display to show working status and has touch key pad for the operations. Vertical autoclave has self inflating type seal, used to prevent liquid leakage. It can be used for sterilization of glass wares, biological materials, culture media etc.in hospitals, clinical laboratories, science colleges etc.

Features:

- Composed of stainless steel body with hand wheel type structure to quickly open the door
- Safe door locking system
- Digital display with touch key pad
- Automatic shut down with beep sound as sterilization completes
- Consist of two stainless steel sterilizing baskets
- Auto power cut in case of water shortage
- Self inflating type seal is used to prevent leakage



Applications:

Used in pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology for effective sterilization of glass wares, biological materials, culture media and others.

Specifications :

Model No.	MVA-4A	MVA-4B	MVA-4C	MVA-4D
Capacity	35 L	50 L	75 L	100 L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Chamber Dimensions (ΦxD)	318 × 450 mm	340 × 550 mm	400 × 600 mm	440 × 650 mm
Timer Range	0 ~ 99 min			
Heat Average	≤ ± 1 °C			

Vertical Laboratory Autoclave MVA-5 series is designed with hand wheel type structure to quickly open the door. The self-inflating type seal is used to prevent leakage. It is equipped with 0.22 μm bacteria filter which ensure the sterile air enters the inner vacuum environment. This autoclave has 3 times pulse vacuum which makes the vacuum rate as -0.081 MPa and ensures the high extraction of inner air from dressing, A, B type hollowed appliance. This vertical autoclave with digital display has multiple applications in research and development, medicine clinical and pharmaceutical industry.

Features:

- Made up of stainless steel material with hand wheel type quick-open door structure
- Micro-computer controlled system with LCD display and touch key pad
- Equipped with preheating control function and two sterilizing stainless steel baskets
- Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying
- Automatic alarm beep system after completion of the sterilization process
- In-built water tank with safety valve to get automatically release against over-pressure
- Safe protection against water shortage
- Auto protection against over temperature and over pressure

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-5A	MVA-5B	MVA-5C	MVA-5D	MVA-5E	MVA-5F
Capacity	50 L	75 L	35 L	50 L	75 L	100 L
Sterilization Temperature	134 °C					
Sterilization Pressure	0.22 Mpa					
Chamber Dimensions (ΦxD)	340 × 550 mm	400 × 600 mm	318 × 450 mm	340 × 550 mm	400 × 600 mm	440 × 650 mm
Timer Range	0 ~ 99 min					
Number of sterilizing baskets	2					
Heat Average	$\leq \pm 1\text{ }^{\circ}\text{C}$					

Vertical Laboratory Autoclave MVA-6 Series is facilitated with a wheel type quick open door structure design. It is equipped with two stainless steel baskets and indicator light to indicate working status of sterilization process. Autoclave is top loading sterilizer with four wheels for easy movement of the unit and self-bulge seal ring to prevent leakage. Vertical autoclave has dual scale numerical pressure gauge system and provides auto protection against over temperature & over pressure. Its safe, economic and reliable autoclave with multiple applications in hospitals, clinical research laboratories, food industry, biotechnology & microbiology labs etc.

Features:

- Designed with horizontal sliding door with safety interlock device which do not allow door to open until there is no pressure in the chamber
- Equipped with four wheels for easy movement of the unit and self-bulge seal ring to prevent leakage
- Two stainless steel sterilizing baskets
- Indicator light indicates working status
- Automatic shutdown with beep sound after completion of process
- Dual scale numerical pressure gauge
- Safe inflating type seal
- Safety valve and door locking system with pressure or temperature overloading protection device

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-6A	MVA-6B	MVA-6C	MVA-6D
Capacity	35 L	50 L	75 L	100 L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Chamber Dimensions (ΦxD)	318 × 450 mm	340 × 550 mm	400 × 600 mm	440 × 650 mm
Timer Range	0 ~ 60 min			
Number of sterilizing baskets	2			
Heat Average	≤ ± 1 °C			

Vertical Laboratory Autoclave MVA-7 series is an easy to operate vertical operation unit with a digital display and touch keypad. The direct heating is brought about by immersed copper tubes of heating elements and it contains dual scale numerical pressure gauge which indicates temperature and pressure.

Features:

- ▶ Direct heating by immersed copper tubes of heating elements
- ▶ Digital display with touch key pad PLC control system
- ▶ Auto protection against over temperature and pressure
- ▶ Designed with horizontal sliding door with safety interlock device which do not allow door to open until there is no pressure in the chamber
- ▶ Made up of SUS304 stainless steel with in-built water tank
- ▶ Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- ▶ Safety valve to get automatically release against over-pressure
- ▶ Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying
- ▶ Drying option is available on customer's request

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-7A	MVA-7B	MVA-7C	MVA-7D
Capacity	35 L	50 L	75 L	100 L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Chamber Dimensions (ΦxD)	280 × 500 mm	320 × 610 mm	388 × 530 mm	388 × 670 mm
Timer Range	0 ~ 999 min			
Heat Average	≤ ± 1 °C			

Vertical Laboratory Autoclave MVA-8 has microprocessor controlled system and LCD display with touch key pad to show sterilization time temperature and working status. Vertical autoclave is designed keeping safety interlock in mind which do not allow door to open until there is no pressure in the chamber. Composed of stainless steel SUS304 with in-built water tank. It is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments.

Features:

- ▶ Electric heating, direct heating by immersing copper tubes of heating elements
- ▶ Silicon rubber seal to prevent from water lacking
- ▶ LCD display with touch key pad shows sterilization time temperature and working status
- ▶ Designed with safety interlock device which do not allow door to open until there is no pressure in the chamber
- ▶ Made up of SUS304 stainless steel with in-built water tank
- ▶ Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- ▶ Safety valve to get automatically release against over-pressure
- ▶ Dual scale numerical pressure gauge indicates temperature and pressure
- ▶ Over pressure auto discharge
- ▶ Auto protection against over temperature and pressure

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-8A	MVA-8B	MVA-8C	MVA-8D	MVA-8E	MVA-8F
Capacity	35 L	50 L	75 L	100 L	120 L	150 L
Sterilization Temperature	134 °C					
Sterilization Pressure	0.22 Mpa					
Chamber Dimensions (ΦxD)	280 × 500 mm	320 × 610 mm	388 × 530 mm	388 × 670 mm	460 × 670 mm	460 × 760 mm
Timer Range	0 ~ 999 min					
Heat Average	≤ ± 1 °C					

Vertical Laboratory Autoclave MVA-9 series is composed of SUS304 stainless steel which is durable and safe for use. Along with top loading this vertical autoclave, sterilizer has dual scale numerical pressure gauge to indicate temperature and pressure. It has provision to control sterilization time, pressure and temperature with the help of knobs. Autoclave comes with safety interlock door, user friendly control panel and automatic safety release valve for safe, economic and effective sterilization of laboratory instruments.

Features:

- Dual scale numerical pressure gauge indicate temperature and pressure
- Indicator lights indicates working status
- Direct heating by immersed copper tubes of heating elements
- Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- Composed of SUS304 stainless steel which is durable and safe
- Provision for 2 sterilizing baskets
- Provision to control sterilization time, pressure and temperature with the help of knob
- Safety interlock door and automatic release safety valve

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-9A	MVA-9B	MVA-9C
Capacity	35 L	50 L	75 L
Sterilization Temperature	115 to 129 °C		
Sterilization Pressure	0.165 MPa		
Chamber Dimensions (ΦxD)	280 × 500 mm	320 × 610 mm	388 × 530 mm
Timer Range	0 ~ 80 min		
Number of sterilizing baskets	2		
Heat Average	≤ ± 1 °C		

Vertical Laboratory Autoclave MVA-10 series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. The autoclave has automatic system for feeding water, pulse vacuum, sterilization, vacuum drying, exhaustion and draining. These autoclave comes with digital display with touch key pad.

Features:

- ▶ 7 inches' touch screen display
- ▶ Automatic control system
- ▶ Elevated type door
- ▶ Automatic system for feeding water, pulse vacuum, sterilization, vacuum drying, exhaustion and draining
- ▶ Equipped with PT-TT testing port
- ▶ Energy efficient steam generator
- ▶ Equipped with 0.2μm sterile ventilation filter
- ▶ Clean and dry sterilizing environment facilitated by steam-water inner circulation system

Applications:

Used in medicine and clinical research industry, pharmaceutical industry and other organizations to sterilize biological material, culture media, surgical equipment's, glass wares etc.

Specifications :

Model No.	MVA-10A	MVA-10B	MVA-10C	MVA-10D
Capacity	60 L	80 L	100 L	120 L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Chamber Dimensions (ΦxD)	396 × 490 mm	396 × 650 mm	504 x 404 x 502 mm	504 x 490 x 590 mm
Timer Range	0 ~ 99 min			
Heat Average	≤ ± 1 °C			

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Email : Info@Labomiz.com | Website : www.Labomiz.com