

AUTOCLAVE - SLVSG



CE

Versatility

In steam sterilisation

As never before....

With over four decades of experience in design and manufacture of Autoclaves, we at Mediwise take immense pride in presenting the Single Lever Vacuum (SLV) series of Vertical Autoclaves. The SLV provides enhanced capabilities to meet the stringent demands of today's Microbiologist.

The new and innovative **MEDIWISE-SLV** has been designed to meet the strictest & varied requirements of the most demanding applications in the following sectors:

- Microbiology and Analysis Laboratories
- Research Institutes and Government Agencies
- Life Sciences and Genetic Engineering
- Pharmaceutical and Food Industries
- Hospital and Biomedical Sectors
- Waste Treatment
- Other industrial sectors and special technological applications

Advantages:

- ❖ Unique single lever lock for lid, with single hand opening.
- ❖ Library with preset cycles of different load patterns, enables easy operation.
- ❖ Highly versatile programming and control system.
- ❖ Optional online print of cycle information with F_0 calculations.
- ❖ Protection of personnel and products, thanks to temperature and pressure interlocks.

Construction:

The SLV range, like all **MEDIWISE** Autoclaves, is designed for ease of use and dependability and is manufactured under strict supervision. Each & every chamber is hydrostatically tested as per standards. Rigorous inspection standards and traceable calibration reports ensure dependable performance.

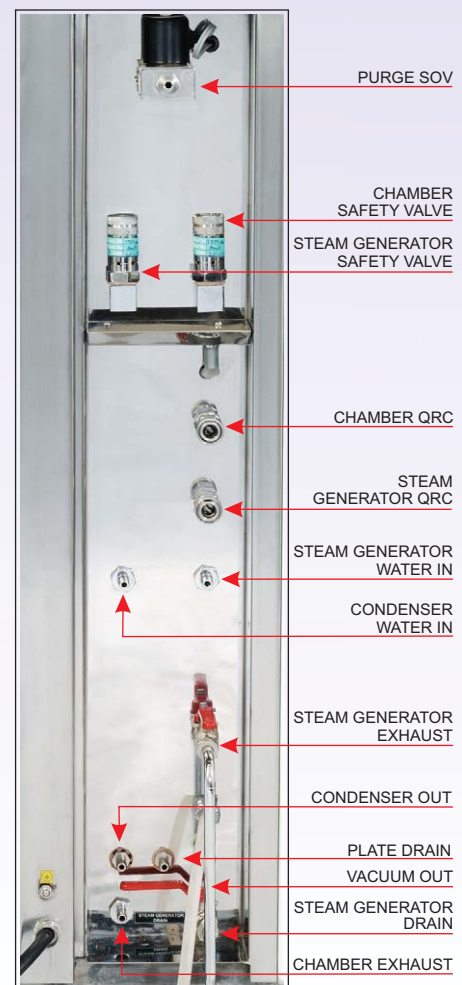
- ❖ Internal chamber and lid along with all wetted parts fabricated from Stainless Steel.
- ❖ Integral steam generator for steam on demand.
- ❖ Single lever pronged closure system with a patented Silicone Gasket (registered design No. 208774).
- ❖ Easy lift and closing of the lid by assisted support.
- ❖ PU Castors for ease of movement.
- ❖ Modular panel design - for easy access to all critical components.
- ❖ Built in validation port enables user for self calibration checks.
- ❖ Two independent gauges for steam generator & chamber.
- ❖ Manual release valve with a 0.2 μ filter to normalise chamber pressure at the end of cycle - with sterile air.

Control Systems:

- ❖ At the heart of **MEDIWISE** SLV is a Programmable Logic Controller (PLC) with 3.5" touch screen colour display which provides for a flexible user friendly interface and accurate control.
- ❖ All the critical parameters including set parameters & alarms are displayed on the touch screen. The PLC controls and monitors each and every parameter which provides higher reliability:
 - Selection of preset cycles from cycle library
 - Preset Bowie Dick Test
 - User customisable cycle with flexibility of setting following parameters:
 - Number of negative pulses
 - Number of positive pulses
 - Sterilisation temperature
 - Sterilisation hold time
 - Vacuum drying
- ❖ Corrective action program on power failure.
- ❖ Heater Wattage:
 - #7441SLV - 7 kW
 - #7451SLV - 10 kW

Safety:

- ❖ Every single Autoclave chamber is hydraulically tested to twice its operating pressure. Inspection as per set standards - right from the raw material inward stage, to in-process inspections to final tests and calibrations is conducted by qualified Engineers.
- ❖ Spring loaded safety valves for steam generator and chamber.
- ❖ Pressure Switch for over pressure detection in steam generator.
- ❖ Pressure interlock on door.
- ❖ Door interlock for cycle start.
- ❖ Audio & visual alarms for:
 - Low water
 - Over temperature
 - Over pressure
- ❖ MCB for electrical safety.



Utilities required:

	MW#7441SLVSG	MW#7451SLVSG
Electrical Supply	230 VAC, 50/60 Hz, Single phase, 40A (MCB)	415 VAC, 50/60 Hz, Three phase + 1N, 60A (MCB)
Water Supply	Two connections of demineralized / purified water line with hardness & temperature less than 2.8 (German) (50ppm) & 30°C respectively. Tubing size required of ID 8mm.	
Exhaust / Drain Line	Capable of handling steam temperatures of 121°C and pressure 2100 mbar steam / water.	
Foot Print	1155 x 765 mm	1365 x 890 mm
Height (with lid open)	1590 mm	1750 mm
Silicone Tubings Size	Ø8 x 11mm of required lengths from SLV to Drain / supply (7 nos.)	

IN-BUILT ONLINE PRINTING FACILITY:

- ❖ Display of five channels - 4 temperature plus one pressure.
- ❖ Print to external DMP LX-300+ (part of standard supply) with date, time, set point, reading of 4 temperature sensors & pressure.
- ❖ Print of process status with each print.
- ❖ Print of F₀ value for Sensor A.
- ❖ Print interval user settable 15 - 600 seconds.



SPECIFICATION & ORDERING DETAILS					
Model*	Type of Autoclave	Working Chamber Size (Ø x D) / Capacity	External size (LWHT) Lid Closed (Opened Ht)	Carrier (Ø x D)	Packing Dimensions (WxDxH) / Gr. Weight
MW#7441SLVSG	Vacuum	450 x 710 mm / 113 lit	1155 x 765 x 1200 (1590) mm	2 of 400 x 330 mm	1430 x 1020 x 1430 / 258 kg
MW#7451SLVSG	Vacuum	550 x 760 mm / 180 lit	1365 x 890 x 1270 (1750) mm	2 of 500 x 350 mm	1470 x 1140 x 1520 / 302 kg

All electrical appliances work on 230V AC, 50Hz, single phase. Other Voltages available on request. Due to continuous improvement in design, the product supplied may have modified features.

Our Other Products: Autoclave Vertical: Standard / PAD / Fully Automatic, Autoclave Portable: Standard / Automatic, Autoclave SLL Series: Vacuum, Autoclave SLE series • Media Preparator • Table Top Autoclaves: Normal / Class B • Rotary Vacuum Evaporator • Vacuum Controller • Chilled Water Circulator • PTFE Diaphragm Vacuum Pump • BOD Incubator • Water Still • Water Bath: Stirred (Constant) / Serological / Concentric Rings / Refrigerated Circulating Bath • Round Bath: Clear Bottom / Immersion Series • Dry Bath • Colony Counter • Anaerobic Jar: SS / Polycarbonate • Pipette & Petri Dish Sterilizing Box • Test Tube Rack • ESR Westergren Apparatus • Slide Staining Stand / Rack / Trough • Slide Trays • Slide Cabinet • Test Tube Caps • Spreader • Cork Borer