

# VERTICAL AUTOCLAVE

## [VERTICAL PRESSURE STEAM STERILIZER]



**TOPLAB INDIA'S** Vertical autoclave units are available with chamber volumes of **22 liters to 175 liters** that accommodate two and three drums accordingly. These systems are designed for meeting effective sterilization requirements in bacteriological and research laboratories, hospitals and clinics and food and beverage units. The vertical chamber design maximizes space utilization, while microprocessor control system enables comfortable working all the time you operate the machine.

Vertical autoclave also called **vertical steam sterilizers**; our vertical type autoclaves deliver flexible solutions of steam sterilization in hospitals, clinics and other areas of application, where reliable steam sterilization is a mandatory process. Vertically designed chamber provides guaranty of safe and efficient sterilization even in confined spaces. In order to suit specific application, these units are fabricated as fully GMP stainless steel **double and triple walled construction**; in addition, we also manufacture vertical autoclaves with other configurations, which include stainless steel inner and exterior made of Mild Steel (MS).

### Product Features:

- Indicator light indicates working state.
- Over temperature & over pressure auto-protection.
- Double scale indication pressure gauge.
- Provided with immersion type heater.
- Water level indicator and Safe protection of water lacking.
- With the below exhaust structure, which is convenient to exhaust the cold air.
- Automatically shut off with beep reminding after sterilization.
- Fully stainless steel (SS304) structure.
- Radial or wing nut type door locking.
- Equipped with joint less silicon rubber gasket.
- Double, triple wall & GMP construction.
- Easy to operate, safe and reliable.
- With two stainless steel sterilizing baskets.

## VERTICAL AUTOCLAVE

### Product Technical Specification:

| Model                   | TL-22AV   | TL-40AV      | TL-50AV      | TL-95AV       | TL-175AV      |
|-------------------------|---|--------------|--------------|---------------|---------------|
| Internal Tank Capacity  | 22 Liter  | 40 Liter     | 50 Liter     | 95 Liter      | 175 Liter     |
| Load                    | 2.00 KW   | 3.00 KW      | 3.00 KW      | 4.00 KW       | 6.00 KW       |
| Chamber dimension       | 10" x 18"   | 12" x 22"    | 14" x 22"    | 18" x 24"     | 22" x 36"     |
| No. of Drums & Sizes    | -   | 2 (9" x 11") | 2 (9" x 11") | 2 (12" x 15") | 3 (12" x 15") |
| Working Pressure        | 1.2 kgf/cm sq.g (15 psi - 17 psi) (Can be Upgraded up to 30 PSI)  |              |              |               |               |
| Sterilizing Temperature | 121°C to 134°C (150°C - Optional)   |              |              |               |               |
| Heat Average            | ±1°C  |              |              |               |               |
| Sterilization Time      | 25 to 30 Minutes  |              |              |               |               |
| Digital Timer           | 0 to 99 min   |              |              |               |               |
| Construction            | Double / Triple wall & SS GMP construction  |              |              |               |               |
| Outer Chamber           | Mild Steel (304 stainless Steel – Optional)   |              |              |               |               |
| Inner Chamber           | 304 SS (316 / 316L grades Stainless Steel – Optional)   |              |              |               |               |
| Insulation              | Glass Wool  |              |              |               |               |
| Waste Container         | Stainless Steel   |              |              |               |               |
| Door / Lid              | Foot lifted with safety and interlock device  |              |              |               |               |
| Door Locking type       | Radial Type (Wing Nut Optional)   |              |              |               |               |
| Water Filling & Removal | Manual  |              |              |               |               |
| Safety Features         | Radial locking, safety valve, low water detector and pressure interlock   |              |              |               |               |
| Power Supply            | AC 220 Volts ,50 Hz   |              |              |               |               |
| Optional accessories    | <ul style="list-style-type: none"> <li>- PID controller</li> <li>- Low / High water cut-off device</li> <li>- Digital alarm</li> <li>- Temperature chart recorder</li> <li>- Dot Matrix Printer</li> <li>- RS 232 / USB PC Connection Port</li> <li>- NABL certification</li> <li>- Stainless Steel wire mesh carrier</li> <li>- Dressing drum</li> <li>- Sterilization indicator tape</li> <li>- Autoclave bags</li> <li>- PLC control system</li> <li>- IQ / OQ / PQ Documentation</li> </ul> |              |              |               |               |

### Distributor:



### Product by

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