Autoclave Vertical High Pressure Triple Walled

Code: W-3455 GST: 18% Brand: AVAIN LABS








AVAIN LABS® Autoclave Vertical High Pressure Triple Walled

The AVAIN LABS® Autoclave Vertical High Pressure Triple Walled is a robust laboratory sterilization unit designed for efficient and reliable steam sterilization under high pressure. Manufactured with a triple-walled construction and stainless-steel inner and outer chambers, this vertical autoclave is suitable for laboratories, hospitals, research institutions, educational institutions, microbiology labs, pharmaceutical applications, and scientific facilities.

The unit is designed to provide controlled pressure and temperature conditions for effective sterilization. It is equipped with a pressure gauge, automatically controlled pressure switch, safety valve, steam release valve, drain cock, and immersion-type heater, providing convenient operation and enhanced safety during sterilization procedures.

Key Features

- Triple-walled vertical high-pressure autoclave
- Inner and outer walls made of stainless steel
- Hydraulically tested up to 40 PSI
- All sterilizers hydraulically tested up to 2.5 times the working pressure
- Fitted with an easy-to-read pressure gauge
- Automatic pressure control switch for controlled operation
- Built-in safety valve for pressure protection
- Steam release valve for controlled steam release
- Drain cock for convenient draining
- Efficient immersion-type heater
- High-grade jointless Silicon-Neoprene gasket helps prevent steam leakage
- Lid fitted with radial locking mechanism
- Convenient foot lifting system
- Adjustable operating pressure from 10–20 PSI
- Designed for dependable laboratory sterilization applications
- Electrical supply: 230–440 V, 50 Hz AC

Triple-Walled Construction

The AVAIN LABS® Vertical High Pressure Autoclave features a triple-walled construction designed to provide a strong and durable sterilization chamber. The inner and outer walls are manufactured from stainless steel, making the unit suitable for demanding laboratory environments.

The robust construction supports consistent sterilization performance while providing durability for regular institutional use.

Pressure Control & Safety

The autoclave is fitted with a pressure gauge and automatically controlled pressure switch to help maintain the selected operating pressure. The pressure can be adjusted between 10 and 20 PSI according to the sterilization requirement.

For additional operational safety, the unit incorporates a safety valve and steam release valve. The sterilizers are hydraulically tested up to 2.5 times the working pressure, providing an important pressure-resistance test during manufacturing.

High-Grade Jointless Gasket

A jointless high-grade Silicon-Neoprene gasket is provided to create an effective seal between the lid and chamber. The jointless construction helps minimize steam leakage and supports efficient pressure retention during operation.

Radial Locking Mechanism

The lid is equipped with a radial locking mechanism designed to provide secure closure during pressurized operation. A foot lifting system is also incorporated for convenient handling and operation of the lid.

Applications

The AVAIN LABS® Vertical High Pressure Autoclave is suitable for a wide range of laboratory and institutional sterilization applications, including:

- Microbiology Laboratories

Available models (3)			
Cat. No.	**Model / Size**	**Size**	**HSN**
W-3455-S1	Small	Small	
W-3455	Standard		
W-3455-S2	Large	Large	

Scan for details & enquiry