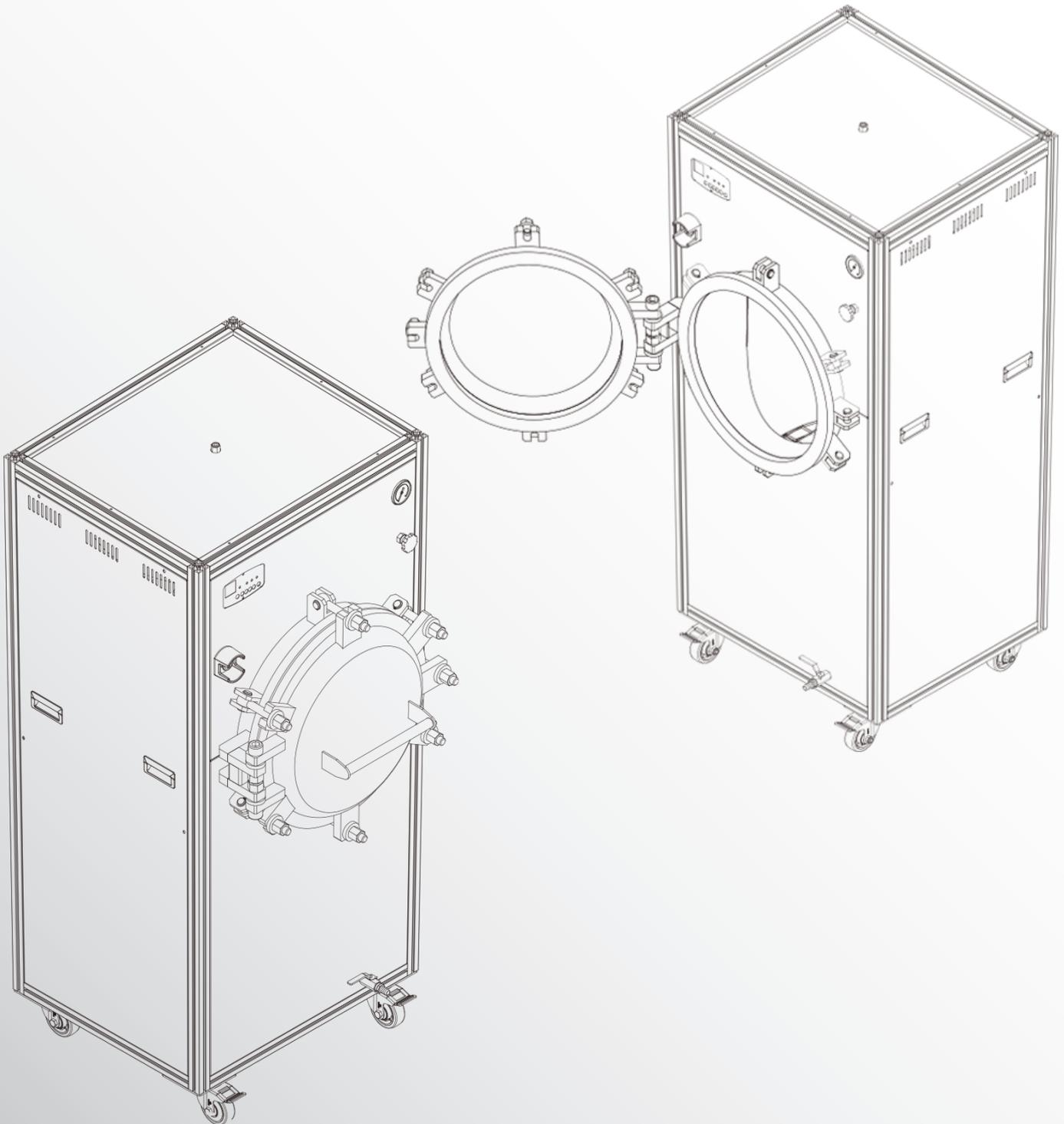


300L **S**mart **A**utoclave



You spoke; we listened.

Thanks to our existing clients for valuable feedback on our beloved autoclaves that provide reliable and time-saving solutions for many industrial uses.

We've heard you've wanted something more significant to increase your productivity by increasing the per-cycle volume.

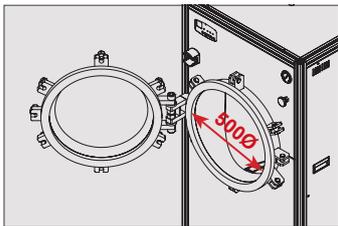
We are announcing SH Scientific's 300 liters (79.25 gallons) capacity autoclave. It is now the time to move on to the next level of productivity. Put an end to the endless cycles of babysitting pressure cookers and ancient old autoclaves that yield small outputs.

Our Smart Autoclave 300M features user-friendly functions that allow a large volume of hands-off sterilization for each cycle.

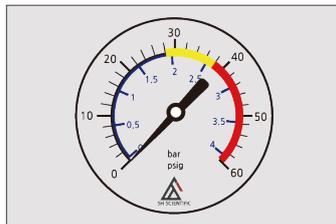
If you are upgrading your facility and ready to enjoy high-output cultivation, our new Smart Autoclave is the solution you want.

Key Features

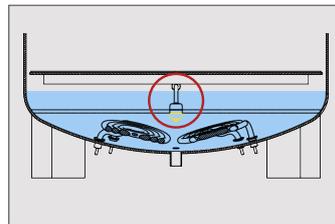
- 300L chamber [637mm (25.1") diameter x 952mm (37.5") height chamber]
- Fully automated operation. Set-and-forget operation:
 1. Load materials in the chamber.
 2. Enter settings (temperature and time) through the digital controller.
 3. Set yourself free from manual pressure control, steam and heat it generates.
 4. Return to the autoclave to unload your materials when the process is complete.
- Large 20"(500mm) door for convenient loading/unloading
- Double housing for user safety utilizing stainless steel internal chamber and aluminum frame & stainless steel external case.
- Manual steam release control valve allows users to gently release the steam at the end of the operation for fast cooling while significantly reducing the risk of blowing up material container bags due to rapid changes in pressure.
- Overpressure protection safety valve that works at 29psig (2.0) bar
- Four high-quality castors to help installation and relocation of the autoclave.
- Digital P.I.D controller with excellent temperature accuracy
- No external water supply connection is needed
- Easy water drain system
- Works out of the box. There is no need to assemble it by yourself, which eliminates the room for human error in self-assembly that can lead to a fatal accident.



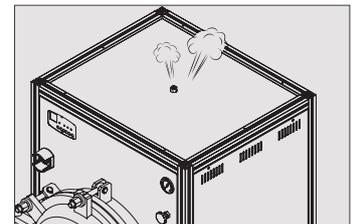
Large door



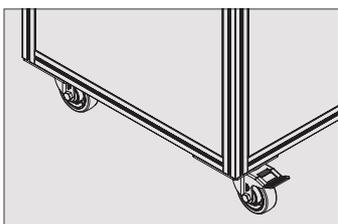
Pressure gauge



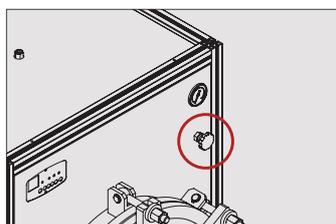
Water level sensor



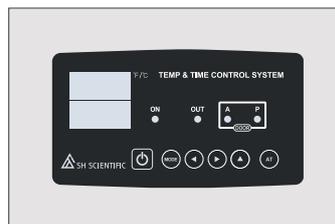
Over-pressure Protection Safety Valve



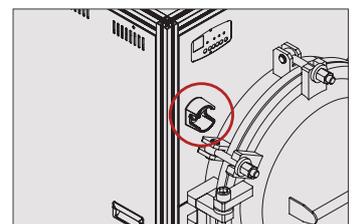
Caster wheels with brakes



Steam release valve



Digital PID controller



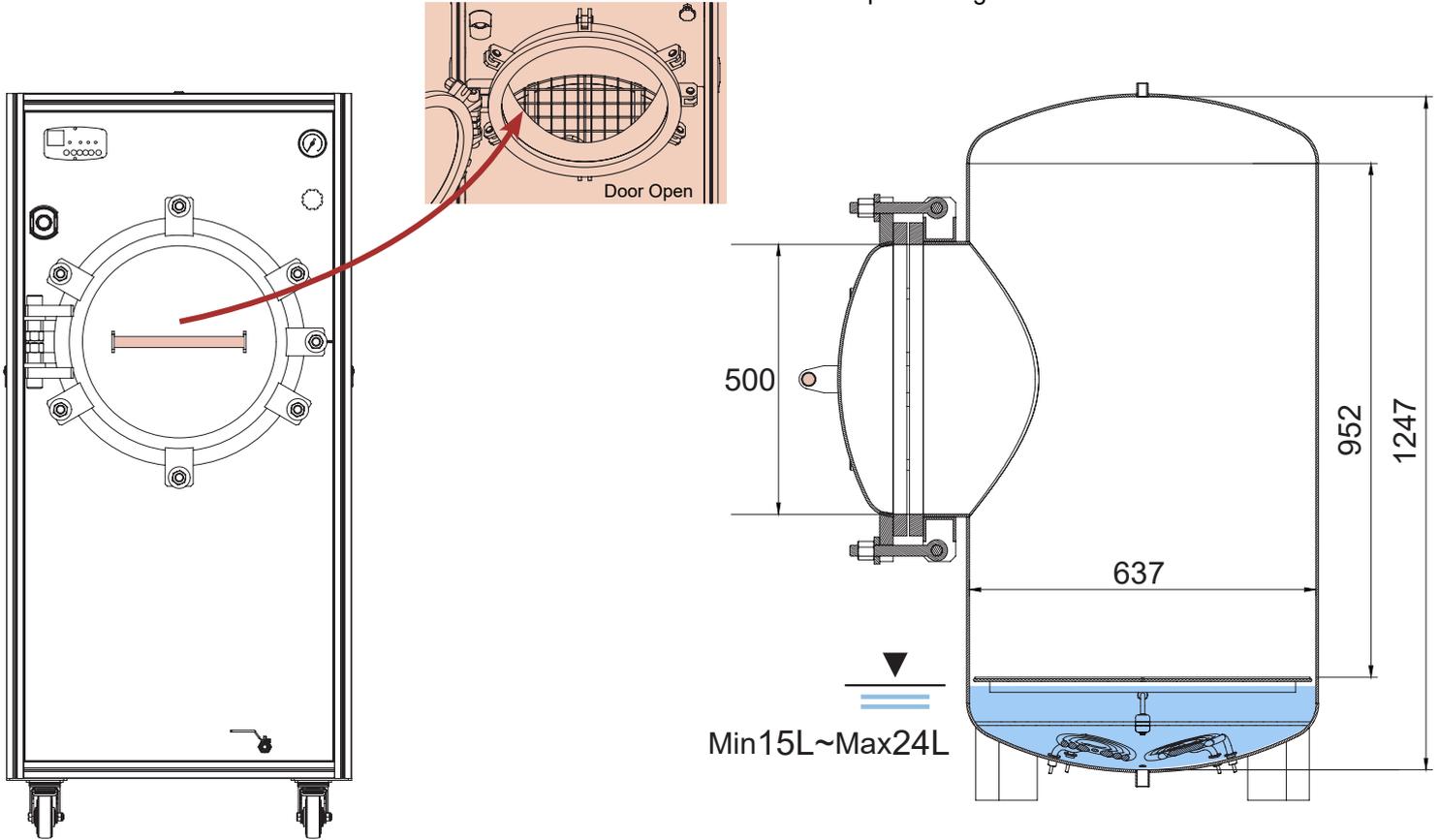
Emergency Stop Switch

What's New

- Manual steam control valve enabling the safe release of steam at your convenience
- User-friendly unit display. Temperature as '°F.' Pressure as 'psig' and 'bar.'
- Emergency stop switch

Industry

- Mushroom cultivation
- Academic labs
- Bioengineering, biopharmaceutical & bioprocessing
- Cannery, brewery, winery & distillery
- Engineering & testing labs
- Pathology & clinic
- Food processing



Specification

Model	SH-AC-300M
Temp Range	Max 273°F (134°C)
Using pressure	15 ~ 27 psig (1.17 ~ 1.86 bar)
Temp controller	Microprocessor Digital PID Controller
Timer range	00.00 to 99HR 59MIN (MIN SEC) selectable
Pressure Gauge	Mechanical type 0 ~ 60 psig / 0 ~ 4 bar
Sensor	PT-100
Capa	300 L
Dimension Internal (DxH)	637Øx952Hmm 25.07x37.48"
Dimension External (WxDxH)	812x972x1741mm 31.96x38.26x68.54"
Material Internal	Stainless Steel
Material External	Aluminum frame & Stainless Steel
Heater	Heater 3.5Kwx3 = Total 10.5Kw
Electrical Requirements 220V ,50/60Hz, 3Φ	27.6 A

• Safety Device

- Automatic reset function incoming power cut
- Buzzer on when set time arrived
- Electric leakage circuit breaker
- Over temperature protection device
- Safety relief valve