Portable Steam Autoclave - Pressure Steam Sterilizer - 18L 24L - 126°C Electric or LPG Heating

Model **MSSTP-A18SWISS, MSSTP-A24SWISS** | Brand **Master Science**





The Master Science Portable Steam Autoclave is a compact stainless steel pressure sterilizer for small clinics, field laboratories, schools and sites where a full-size autoclave is not practical. It comes in 18 L and 24 L sizes and works at 126°C and 0.142 MPa.

KEY HIGHLIGHTS

- Works with or without mains power
- Fast loading
- Tight seal
- Built-in overpressure safety

AT A GLANCE

126°C
RATED WORKING TEMPERATURE

18 L: Ø280 × 295 mm; 24 L: Ø280 × 390 mm
CHAMBER SIZE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

It can be heated electrically or placed over an LPG burner, so the Master Science Portable Steam Autoclave keeps working even where mains power is unreliable. A quick-opening lid, self-inflating seal and dual-scale pressure gauge keep operation simple.

Small facilities often lack space, budget or stable power for a large sterilizer. The Master Science Portable Steam Autoclave helps with:

Key Benefits

Works with or without mains power
Dual electric and LPG heating suits field and rural use.

Fast loading
The quick-opening lid structure saves time between batches.

Tight seal
A self-inflating seal closes the chamber securely under pressure.

Built-in overpressure safety
Pressure is released automatically if it rises too high.

For push-button automatic operation, see our automatic portable autoclave 24L.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSTP-A18SWISS, MSSTP-A24SWISS
SKU	MSSTP-A18SWISS, MSSTP-A24SWISS
Brand	Master Science
Models	MSSTP-A18SWISS (18 L), MSSTP-A24SWISS (24 L)
SKU	MSSTP-A18SWISS, MSSTP-A24SWISS
Heating	Electric or LPG gas
Rated Working Pressure	0.142 MPa
Rated Working Temperature	126°C
Material	Stainless steel

DIMENSIONS & WEIGHT	
Chamber Size	18 L: Ø280 × 295 mm; 24 L: Ø280 × 390 mm

POWER	
Power	18 L: 1.6 kW; 24 L: 2.0 kW
Voltage	AC 220/110 V, 50/60 Hz
Power cuts	LPG heating allows sterilization to continue without electricity.

PROBLEMS THE MASTER SCIENCE PORTABLE STEAM AUTOCLAVE SOLVES	
Limited bench space	A compact portable body fits small rooms and vehicles.
Pressure safety	Automatic overpressure release protects users and the vessel.
Slow lid handling	The quick-opening structure makes loading easier.

Applications

The Master Science Portable Steam Autoclave suits

Small clinics and dental surgeries Field and mobile laboratories School and college microbiology labs Sterilizing instruments, dressings and small media batches Sites with limited or unreliable electricity

Construction

- High-quality stainless steel body and chamber
- Quick-opening lid structure
- Self-inflating seal

Heating and Control

- Electric heating or LPG gas heating
- Dual-scale pressure gauge
- Simple manual operation

Safety

- Automatic release on overpressure

Standard Accessories Included

- Portable autoclave with stainless steel chamber