

FVS – Vertical lab sterilizer

Applications:

Bio-pharmaceutical

Microbiology

Loads:



Processes:

Sterilization



The FVS Vertical Lab Sterilizer is a compact, portable with very small overall dimensions for easy handling and use.

The FVS Vertical Lab Sterilizer controls the sterilization process adopting a close loop feedback system using PID algorithm. This solution permits a continuous and accurate control of chamber temperature and pressure with a significant energy saving, even in a so small autoclave.

The FVS series sterilizers are suitable for the use in many different applications in laboratory such as:

- Empty glassware
- Laboratories instruments
- Small machine parts
- Culture media/solution in small size open containers

Powered by

TSC 09

Key benefits

Portable type autoclave with 2 castors and handle

No utilities connections for very fast and easy installation password protected key user access

Sterilization time up to 999 min.

10-free configurable automatic programs One port for validation purpose

Warm-up/warm-keeping for culture media (45°C – 90°C) preparation

Contact

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Design and Technical Features

With two chamber useful volumes ranging from 30 to 45 liters FVS series is the simplest choice for standard sterilization in the laboratory field. Both sterilizing chamber and lid are made with top-quality AISI 316 L stainless steel with electropolished finishing. FVS series is equipped with built-in AISI 304 stainless steel recovery tank for steam condensates and with a special profile high-resistant pneumatic gasket for automatic lid sealing, assuring maximum safety. A small air compressor with buffer assures pneumatic lid gasket closing and final drying.

FVS has a swing-top opening lid with quick closing and safety interlocks. The temperature ranges from 100 °C to 144 °C to cover wide spectrum of sterilization programs managed by TSC 09 microprocessor control system with graphic color LCD display and alphanumeric pad.

Kits	FVS	FVG	FVG Agar
Steam generator <i>Generatore di vapore</i>	✓	✓	✓
Vacuum pump <i>Pompa del vuoto</i>	X	O	O
Condensate cooling unit <i>Raffreddamento condensa</i>	X	✓	✓
Internal air compressor <i>Compressore aria</i>	✓	✓	X
Enhanced internal air compressor <i>Compressore aria maggiorato</i>	X	O	✓
Warm-up and warm-keeping programs <i>Programma di riscaldamento e mantenimento della temp.</i>	X	O	✓
External PC connection through RS232 port <i>Connessione a PC esterno via porta RS232</i>	X	O	O
Sterile air filter <i>Filtro aria sterile</i>	X	✓	✓
Validation port <i>Porta per sonda di validazione</i>	✓	✓	✓
Cooling fan <i>Ventilatore per raffreddamento</i>	O	X	X
IQ/O activity <i>Attività IQ/OQ</i>	O	O	O
Standard packing <i>Imballo standard</i>	✓	✓	✓

X - not available/non disponibile ✓ - included/incluso O - optional/opzionale

