

FVS SERIES

Vertical Laboratory Autoclaves



Simplest solution for routine laboratory sterilization



The **FVS** is compact, portable, vertical Laboratory Autoclave, with very small overall dimensions for easy handling and use.

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

The Fedegari **FVS** series are suitable for standard sterilization in the laboratory field for:

Empty glassware, laboratory instruments, small machine parts, culture media/solution in small size open containers, laboratory hard goods, other solid items.



Design / Construction features

- Sterilizing chamber and lid made of top-quality AISI 316 L st. steel elettropolished finishing
- AISI 304 stainless steel housing frame with removable fine satinated panels for easy maintenance and operation
- Special profile high-resistant pneumatic gasket for automatic lid sealing, maximum safety
- Swing-top opening lid with quick closing and safety interlocks
- Small air compressor with buffer for pneumatic lid gasket, air ballast and final drying
- Built-in AISI 304 st. steel recovery tank for steam condensates
- Temperature range 100° to 144° C to cover wide range of sterilization programs
- Microprocessor control system with graphic colour LCD display



Advantages and key benefits for user

- Portable type autoclave with 2 castors and hand wheel
- 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
- Over heating phase for accelerated heating of liquids (time saving up to 20%)
- One port for validation purpose
- Warm-up / warm-keeping for culture media
 (45 90°C) preparation

TCS 09 Microprocessor



Fully automated control with graphic LCD color display. Program progress phase graph and parameter visualization, including synoptic display with auxiliary messages. Five base different languages selectable.





Optional kits and accessories

- Fan assisted Air cooling
- Final drying kit
- Built-in Process printer
- Validation port adaptor kit
- St. steel wire baskets and drums with different size / type
- IQ/OQ Documentation package

Loading capacity

ERLENME	RLENMEYER FLASK (ml)						
Model	250	500	1000	2000	3000	5000	
FVS-35	2x8	2x4	3	1	1	1	
FVS-50	3x8	3x4	2x3	2x1	1	1	

SCHOTT-DURAN BOTTLES (ml)

Model	250	500	1000	2000	3000	5000
FVS-35	2x12	2x8	5	3	1	1
FVS-50	3x12	3x8	2x5	2x3	2	1

Technical specification

Model	FVS/35	FVS/50		
Chamber volume (liters)	35	50		
Useful loading capacity (liters)	30	45		
Chamber / lid material	316 L st. steel elettropolished			
Chamber dimensions: (Ø x h) mm	305 x 410	305 x 610		
Empty weight (kg)	80	85		
Loading height (mm)	823			
Sterilization temperature range	100°C – 144°C			
Chamber Design pressure	Full vacuum / 3,5 Bar G			
Max. operating pressure	2,6 barg (ABS 3,6 bar)			
Max. operating / design temperature	144°C /152°C			
Overall dimensions (w x d x h) mm	400 x 630 x 922			
Power requirement	2 KW	2,5 KW		
Standard electric supply	230 V, single phase 50/60Hz – 9,5A	230 V, single phase 50Hz – 12A		
Standards / Notified body	PED 97/23/EC / CE MARK / TÜV certification			







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FEDEGARI (SUISSE) SA PART OF GROUP FEDEGARI AUTOCLAVI SPA

The Quality System of Fedegari (Suisse) SA has been certified in compliance with the standards ISO 9001 and ISO 13485. It's also approved according to the Annex II of the Medical Device Directive and the Module H of the Pressure Equipment Directive.

