

FOB Serie TS



highlights

- attractive, functional and ergonomic design
- highly innovative modularity by design and construction with extremely flexible configuration
- enhanced safety, operating ease and sterility assurance
- fast processing and increased productivity
- excellent quality standards and most-advanced sterilization technology

**Horizontal benchtop steam sterilizer
FOB Serie TS fully automatic**



The Fedegari FOB serie TS are suitable for use in many different applications that a modern laboratory demands as:

- Microbiological and Analytical Labs
- Research Institutes and Universities
- Bio-Technologies and Life Sciences
- Pharmaceutical and Food industries, Q.C. Labs and production lines
- Hospital Theaters and Medical care

Its use in highly specialised fields and market niches that demand exclusive, validated processes is assured.

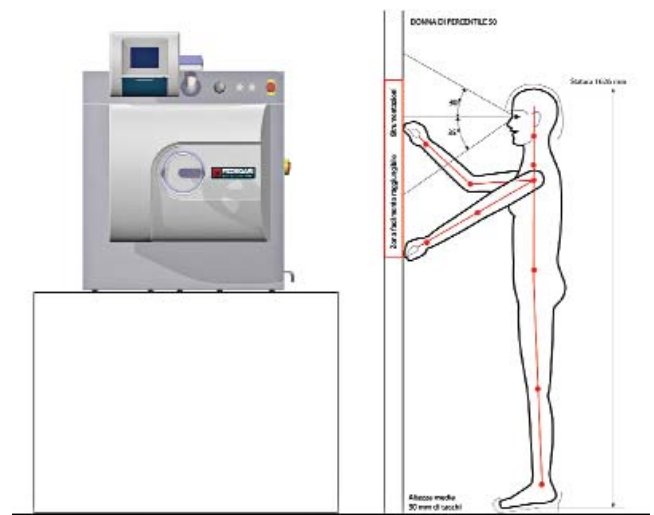
The best results derive from technology and know-how which satisfy clients' expectations and FEDEGARI AUTOKLAVEN AG is proud to present the innovative tabletop sterilizer FOB series TS which combines excellent performance with the best quality materials, simplicity of use and optimum consumption.

model overview

Model	Type	Chamber volume (litres)	Chamber diameter (mm.)	Chamber depth (mm)
FOB2-TS	1-door	75	400	600
FOB2S-TS	2-doors	110	400	900
FOB3-TS	1-door	140	500	700
FOB3S-TS	2-doors	180	500	900

special benefits

- improved performances thanks to more efficient and faster processes
- increased max. operating temperature and pressure range
- easy installation on fixed or sliding bench and quick connections to utilities
- smoother, safer and highly reliable operations on all most demanding working environment
- reduced space with superior loading capacity
- ergonomic positioning of adjustable operator display and built-in process printer
- wide and easy access to technical area for regular maintenance and emergency
- hinged door easily moved with exclusive and low-effort lock mechanism
- extensive choice of loading equipment (racks, adjustable shelves, baskets, etc.)
- high level of programming and application flexibility with fully configurable cycles
- multilevel password management for authorized access only
- ideal for operation in environments GMP/GLP compatible offering traceability and full documentation meeting the most stringent worldwide safety and quality standards



most comfortable ergonomics

technical key features

- superior quality of materials with first class finishing and components all rigorously tested at FEDEGARI, for long term reliability and process safety
- massive pressure vessels, pneumatic valves and hydraulic components made of high corrosion resistant 316 L s.s., sanitary grade.
- custom-made solutions and process upgrading in very short time for extended technological life of product
- unique opening/closing door system with patented pneumatic gasket seal. Perfect airtight, safety and maximum reliability
- energy recovery system for water preheating to steam generator
- safety device in compliance with TRB402, thermal interlock to prevent door opening
- programmability: 15 standard sterilization programs (i.e. vacuum leak test, pressure test, Bowie & Dick, etc.) easy to customize in a multi-user environment.
- **NEW CVB2000** PLC controller with large touch-screen color videographic display for maximum using comfort and more intuitive interface
- automatic delayed start-up and stand-by mode programmed for utility saving
- new operating software fully validated in compliance with the rigorous pharma standards
- exclusive new software for **CFR21 Part11** compliant with electronic signature, audit trail and data archiving with Ethernet protocol connection
- MDD certification and CE mark according to European Medical Directive and EN285/EN554 for hospital theatre use and medical device production



Color touchscreen with synoptic display



Graphic cycle display



Decontamination of exhaust air with sterile filter



Separate steam generator



Sanitary diaphragm valve in 316L stainless steel with pneumatic actuator for maximum reliability and tightness.

optional kits tailored to your process needs

All the models can be configured using various customised systems guaranteed by the wide range of process and software options and the ample choice of accessories.

The basic version of the sterilizer can already be used for standard processes and is easy to configure, thanks to its design concept and modular construction, with a series of interesting and exclusive options kits, the most important of which are:

1. integrated 316 L st. steel electric steam generator with independent operation and control
2. pre- and post-vacuum processes, single or fractionated with high-output water-ring vacuum pump.
3. exclusive high-efficiency fast cooling module
4. unique decontamination cycle for high-risk pathogenic wastes.
5. **NEW** sterilization program with complete cycle by steam / air – mixture in counter-pressure for delicate treatment of products as blister packs, contact lenses, carpules, syringes, solutions in glass / plastic bottles or bags (pvc, p.p., p.e.), etc.
6. effluent discharge filtration kit for waste treatment with automatic filter sterilization
7. special execution with single or double sealing flange plate (sterile and / or non sterile side) for lab risk cat I3 and I4.
8. **NEW** exclusive system for **BIER TEST** on biological and chemical indicators for steam sterilization
9. **NEW** air detector and sample steam kit for compliance to HTM 2010
10. **NEW** management software CVB2000-link for remote supervision to external user pc, data archiving, a4-size printouts with t, p, diagram trends, synoptic display, etc.
11. **NEW** exclusive conformity kit to **CFR21 Part11** with Ethernet protocol
12. precise and detailed documentation and IQ/OQ/PQ validation procedures