

FOB4 – Stand-alone lab sterilizer

Applications:

Bio-pharmaceutical Cosmetics Food Microbiology
Packaging

Loads:



Processes:

Sterilization



The FOB4 Stand-alone Lab Sterilizer is an autoclave that combines excellent performances with overall high quality materials and ease of use.

The FOB4 Lab Sterilizer is suitable for the use in laboratory for many different applications, such as:

- Microbiology and analytical labs
- Research institutes and examination agencies
- Bio-Technologies and life sciences
- Animal facility and clinical diagnostic labs
- Pharmaceutical, food, chemistry industries, Q.C. labs
- Hospital operating theaters and medical care
- Agricultural, environmental and veterinary labs

These sterilizers have been specially designed with ergonomical features for easy handling of higher volume sterilization materials and goods as: glassware, media preparation, liquids, in open and sealed containers, mixed regular and high risk waste, as well as surgery instruments, textiles, rubber articles for hospital use and packaged tools.

FOB4 Stand-alone Lab Sterilizer is easy to be configured, thanks to its conceptual design and modular construction with a convenient portfolio of optional kits.

In fact, all the models can be configured using various customized systems guaranteed by the wide range of processes, software options and an extensive choice of accessories.

Key benefits

Suitable for BSL 3-4 labs

Energy and water cost-saving

Small foot print with superior loading capacity

Ergonomic positioning of adjustable operator display

Full and easy accessibility to technical area from front and lateral sides

Special test programs for routine check of sterilizer efficiency

cGLP compatible data management

Powered by

DCS PLUS 10

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Design and Technical Features

FOB4 autoclave can be designed in two chamber dimensions: 147 liters (FOB4-TS) with single vertical sliding door or 210 liters (FOB4S-TS – FOB4/L TS) with double vertical sliding door for pass-through purposes. The vertically automatic sliding doors are pneumatically activated for space efficiency in laboratory and hospitals.

FOB4 autoclave has internal AISI 316 L stainless steel plates fed by steam used both as heat-exchanger system for steam pre-heating and to cool the chamber temperature by means of cold softened water. As an option these plates can be used for drying purposes at the end of the cycle.

Fedegari designs laboratory autoclaves combining operators' safety as well as equipment performances. Hence temperature sensors and pressure transducers assure maximum precision and stability of the sterilization temperature, grant the highest level of safety and guarantee process reproducibility.

FOB4 Lab Sterilizers are equipped with DCS PLUS 10 process controller which is highly flexible: 30 cycles easy to customize in a multi-user environment with a large touch-screen color video-graphic display and interface for remote monitoring via Ethernet control. DCS PLUS 10 process controller is fully validated and documented.

Suggested kits	Solid	Porous	Liquids (open)	Liquids (hermetically sealed)	Deco Filter	Deco Pathogen	Medical EN285	Food
Steam generator <i>Generatore di vapore</i>	✓	✓	✓	✓	✓	✓	✓	✓
Vacuum pump <i>Pompa del vuoto</i>	▲	✓	○	○	✓	○	✓	✓
Internal air compressor <i>Compressore aria</i>	✓	✓	X	X	✓	X	✓	X
Condensate cooling unit <i>Raffreddatore condense sullo scarico</i>	✓	✓	✓	○	✓	✓	✓	✓
Fast cooling unit <i>Raffreddamento rapido</i>	○	○	✓	✓	○	✓	○	▲
Chamber pressure tightness test <i>Test tenuta camera</i>	○	○	○	○	○	✓	○	○
Air -steam conuterpressure cycle <i>Ciclo in contropressione aria-vapore</i>	○	○	○	✓	X	○	○	▲
Safety thermal locking device <i>Sistema interblocco termico</i>	○	○	▲	✓	○	▲	○	▲
Decontamination cycle with discharge air filter <i>Ciclo di decontaminazione con filtro scarico aria</i>	○	○	○	X	✓	X	○	○
Decontamination cycle <i>Ciclo di decontaminazione</i>	○	○	○	○	X	✓	○	○
F₀ sterilization <i>Sterilizzazione F₀</i>	○	○	○	○	○	○	○	✓
EN 285 conformity (vacuum pump, sterile air filter and external recorder) <i>Conformità EN 285 (pompa del vuoto, filtro aria sterile e registratore esterno)</i>	○	○	○	○	○	○	✓	○
Additional PT100 probe <i>Sonda PT100 aggiuntiva</i>	○	○	▲	▲	▲	▲	○	▲
Process printer <i>Stampante di processo</i>	○	○	○	○	○	○	✓	○
Slow vacuum <i>Vuoto lento</i>	○	○	○	○	○	○	○	✓
Standard packing <i>Imballo standard</i>	✓	✓	✓	✓	✓	✓	✓	✓

X - not available/non disponibile

✓ - included/incluso

○ - optional/opzionale

▲ - recommended/raccomandati

