

FOB5 – Stand-alone lab sterilizer

Applications:

Bio-pharmaceutical Cosmetics Food Microbiology

Packaging

Loads:



Processes:

Sterilization



FOB5 Stand-alone Lab Sterilizer presents a great flexibility of use, ranging from quality assurance laboratories in pharmaceutical or food industries, to BSL3 – 4 laboratories in research centres and/or hospitals.

The possible application of FOB5 series of autoclaves can be:

- 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

As all the autoclaves of Fedegari Lab Division, FOB5 has a modular design which allows a high flexibility of use for different loads and treatments.

Design and Technical Features

FOB5 autoclave series has a wide range of chamber volumes and come with both single and double vertical sliding door:

- FOB5C-TS: 325 liters – single vertical sliding door
- FOB5-TS: 456 liters – single vertical sliding door
- FOB5S-TS: 481 liters – double vertical sliding door
- FOB5SL-TS: 590 litres – double vertical sliding door
- FOB5L-TS: 615 liters – single vertical sliding door
- FOB5SXL-TS: 700 litres – double vertical sliding door
- FOB5XL-TS: 730 litres – single vertical sliding door

FOB5 series can be designed with a single or double stainless steel sealing flange (BIOSEAL), making it suitable for laboratory risk category L3 and L4 and operating theater. Thanks to its improved heating-exchange plates, this autoclave has a perfect temperature distribution in chamber, assuring the highest sterilization performance.

Key benefits

Vertical position of filters avoiding frequent rupture

Thema4lab process controller

cGLP compliance

High tech chamber and door construction

Suitable for BSL 3 – 4 laboratories

High process reliability

External trolleys fully compatible with FGW Washers

Powered by

Thema4Lab

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FOB5 autoclaves are made of AISI 316 L stainless steel as well as pneumatic valves and hydraulic components, all electropolished at sanitary grade. FOB5 lab sterilizers have two high-efficiency internal AISI 316 L stainless steel plates which can be used as heat-exchanger system for steam preheating, to cool the chamber temperature down by using cold water. Moreover – as an option – these plates can be used to perform final drying.

Full and easy accessibility to technical area from the front and lateral side allows service and regular maintenance. External trolleys are fully compatible with FGW Fedegari Glassware Washer Series to assure integration between cleaning and sterilization processes in your laboratory.

FOB5 is equipped with Thema4lab process controller, engineered and pre-validated by Fedegari according to GAMP5. Thema4lab is the most advanced process controller for lab applications. It is based on a wide library of phase groups developed by Fedegari thanks to its experience in the pharmaceutical industry across 60 years of history.

Thema4lab process controller is available for FGW Glassware Washers and FOB5 steam sterilizers, making training and maintenance easier for Fedegari machines.

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

