

FVA/A1 – Vertical lab sterilizer

Applications:

Bio-pharmaceutical Cosmetics Food Microbiology
Packaging

Loads:



Processes:

Sterilization



The FVA/A1 Vertical Lab Sterilizer combines design with excellent performances and simplicity of use.

The automatic vertical sterilizer FVA/A1 has been specifically designed and developed to meet the most demanding application requirements in many different sectors, from universities to quality control laboratories in pharma, food or cosmetics industrial sectors.

FVA/A1 autoclave is the perfect solution for highly specialized fields and challenging customers worldwide that demand exclusive, reproducible and validated processes. These sterilizers have been designed with ergonomical features for easy handling and daily use.

The basic version of FVA/A1 can be used for standard processes and is easy to configure, thanks to its conceptual design and modular construction with exclusive optional kits.

Powered by

DCS PLUS 10

Key benefits

Satisfies the most rigid requirements of safety and quality according to international standards

New materials providing chemical inert insulation and both thermal and acoustic: smoother, quieter and safer operations

Energy saving system

Functional and attractive design

High level of programming and control versatility

Innovative and unique modular design

Ideal positioning of operator's panel and printer

Optimized loading height from floor

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Design and Technical Features

FVA/A1 autoclaves are available with two different chamber volumes: 75 litres (FVA2) or 140 litres (FVA3). FVA/A1 lab sterilizers are equipped with AISI 316 L stainless steel chamber and lid with automatic independent operation and control.

The access to the technical area is assured by a wide front door with a special safety lock for easy maintenance. The exclusive horizontal swivelling lid has a patented seal with compressed air system for perfect airtight, safety and easy maintenance.

FVA/A1 is equipped with sanitary pneumatic diaphragm valve, AISI 316 L stainless steel components and electropolished mirror finished chamber. An internal heat exchanger, made of AISI 316 L stainless steel and a fan for rapid cooling system can be integrated in the lid.

The DCS plus 10 process controller allows fully programmability: 30 cycles easy to customize in a multi-user environment and an interface for remote monitoring via Ethernet protocol. The operating software 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 conutepressure 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

