Product Description

VERTICAL
STEAM STERILIZER

UNICLAVE 99



Available Models

Model	***Usable Volume of Chamber*** *(l)*	***Usable Chamber dimensions*** *(cm)* *(diam. x depth)*	***Equipment dimensions*** *(cm)* *(width x height x depth)*
AJC 80	80	Ø40 x 63	69 x 105 x 74
AJC 120	120	Ø50 x 62	80 x 105 x 85
AJC 160	160	Ø50 x 82	80 x 125 x 85

The steam sterilizer **Uniclave 99**, manufactured by **A.J. Costa (Irmãos), Lda** is a vertical steam sterilizer specially directed for laboratory requirements, ideal to process small loads that demand a precise and strict control of different sterilization cycle parameters. Versatile, with fixed sterilization cycles and also enables the operator to choose the sterilization cycle parameters.

Applications

The steam sterilizer **Uniclave 99** sterilizes instruments, glassware, metallic utensils, liquids, rubbers and other thermo sensitive materials, filters, culture media, etc.

The steam sterilizer **Uniclave 99**, in order to fully correspond to laboratory or any other organization requirements can be equipped with an additional product temperature control probe, and with a printer.

General features

- The autoclave is controlled by a microprocessor. The entire operation is made on a touchscreen control panel;
- Simple operation interface;
- 4 pre-programmed cycles, with automatic operation and selection and introduction of parameters of the sterilization cycle
- Control panel
  - 3,5” colour touchscreen
  - On/Off button;
  - Emergency/Stop pushbutton
  - Steam manometer
- Sound alarm for fault and cycle end;
- Vertical load of the sterilization chamber;
- Easy maintenance;
- Chamber in mechanically polished stainless steel AISI 316L;
- Cabinet enclosed stainless steel AISI 304 construction;
- Thermal protected locking mechanism and door handle(s);
- Automatic door locking;
- Steam generation by stainless steel electrical resistance;
- Vacuum system by temperature shock cooling coil, which enables to do final vacuum in the chamber and drying;
- Equipped with exhaustion steam condenser;
- Double security system against overpressure with high-pressure valve;
- Sterilization chamber temperature limiter;
- Heating elements with automatic security cut off for water level failure;
- Permanent degassing during sterilization, with air/steam trap;
- Equipped with bacteriological filter for intake air;

Options

- Special option is required for Printer, Liquids and Connected options *;
  - * Special option includes an automatic water level control system and automatic water operation
  - * 9 pre-programmed cycles with automatic operation and programmable cycle parameters
- Thermal printer for registration and documentation of each sterilization cycle (printer option);
- Incorporated temperature sensor to control the temperature inside product being sterilized PT100 (Liquids option);
- Air ballast balance (Liquids option);
- Heating temperature plateau (Liquids option);
- Documentation Software to collect via PLC complete documentation of each sterilization cycle. The information can be collected via USB or Ethernet connection. (Connected option)

Accessories

- Loading baskets;
- Water Treatment System:
  - Water Softener System
  - Reverse Osmosis System
- Wheels for easy movement

External network connections

- Electricity

Uniclave Model	Power Supply
Uniclave 99 AJC 80	1 ~ + N + G 230V 50/60Hz 3 kW
Uniclave 99 AJC 120	3 ~ + N + G 400V 50/60Hz 6 kW
Uniclave 99 AJC 160	3 ~ + N + G 400V 50/60Hz 6 kW

*Other electrical connections are available upon request.

- Drainage
- Water (depending on model)

Certifications / Compliance with directives and standards

- The steam sterilizer **Uniclave 99**, conforms with the following directives and standards:
  - Pressure Equipment Directive 2014/68/UE.
  - Electromagnetic Compatibility Directive 89/336/CE.
  - EN 61326 - Electrical Equipment for measurement, control and laboratory use.
  - Electromagnetic Compatibility EN 61000.

- **A. J. Costa (Irmãos), Lda,** is certified ISO EN 9001

  Certificates are issued by SGS-UKAS and assure that **A.J.Costa (Irmãos), Lda**, fulfils the requirements of quality management systems, which covers design, project, manufacture, maintenance, delivery and installation.