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.