RAYPA

TOP-LOADING BENCHTOP AUTOCLAVES WITHOUT DRYING

AVS-N SERIES

CLASSIC LINE

AVS-N SERIES - INSTALLATION GUIDE

Information to consider before installing your RAYPA autoclave.

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AES-8

ELECTRICAL CONNECTION

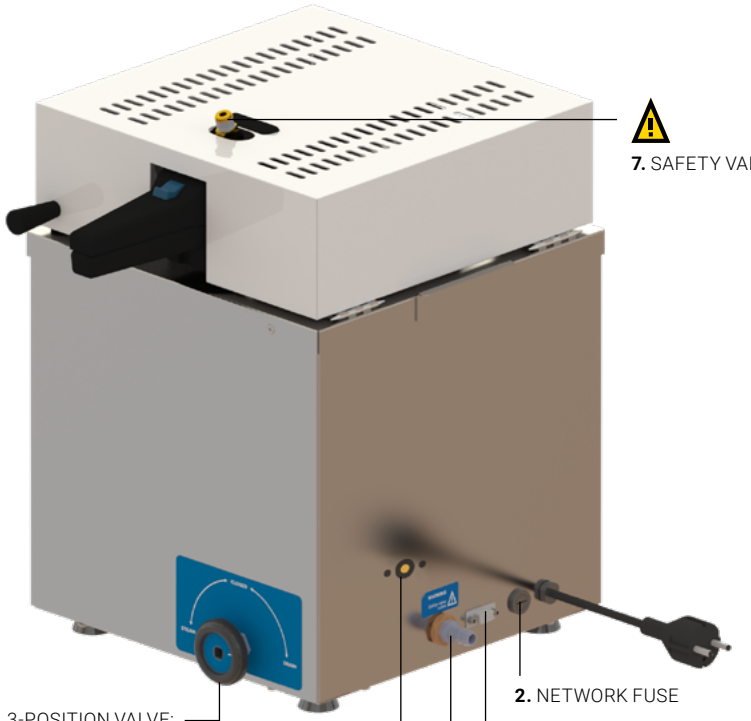
The following table shows the plug configuration according to IEC and SCHUKO international standards. For customers who require other plugs and other electrical configurations, please contact our technical team at raypa@raypa.com.

MODEL	FREQUENCY	POWER	AMPERES / PHASE	VOLTAGE	CONNECTION
AES-8	50/60 Hz	1000 W	4 A	230 (1P+N+PE) V	16 A (1)
AES-8-115V	50/60 Hz	1000 W	8 A	120 (1P+N+PE) V	16 A (1)

(1)

16 A

CONNECTIONS GRAPH



7. SAFETY VALVE OUTLET

1. POWER CABLE
Cable length: 2 m

2. NETWORK FUSE

3. RS-232 PORT

4. STERILIZATION CHAMBER DRAIN OUTLET

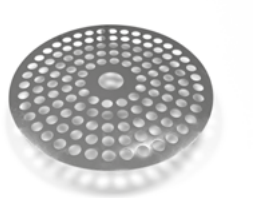
6. 3-POSITION VALVE:
- DEVAPORIZATION
- CLOSING
- DRAINAGE

5. SAFETY THERMOSTAT FOR THE HEATING ELEMENT OF THE STERILIZATION CHAMBER

AES-8

COMPONENTS INCLUDED

In addition to the accessories chosen at the time of purchase of the autoclave the following components are included:



1 stainless steel protective cover with legs for the heating elements of Ø208 mm to place on the inner base of the sterilization chamber.

1 stainless steel wire basket of Ø220 x 150 mm.

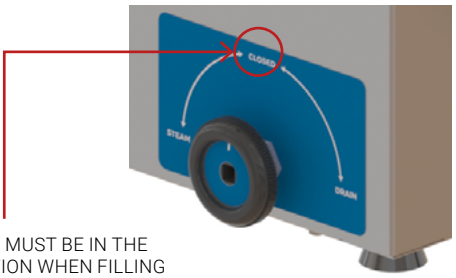
1 heat resistant silicone hose of Ø8 x Ø14 mm and 1 m long for draining the sterilization chamber.

For:
4. STERILIZATION CHAMBER DRAIN OUTLET

AES-8

WATER SUPPLY FOR STERILIZATION

Purified water is necessary for the operation of the autoclave and is added directly and manually into the sterilization chamber until it covers completely the heating elements cover (around 1.2 L).



THE VALVE (**6**) MUST BE IN THE "CLOSED" POSITION WHEN FILLING AND DURING REGULAR OPERATION OF THE AUTOCLAVE.

IMPORTANT NOTE:

PURIFIED WATER

The water quality used to feed the autoclave must be free of contaminants and meet the following hardness and conductivity requirements:
- Hardness: ≤ 0.02 mmol/l
- Conductivity: between 5 µS/cm and 15 µS/cm

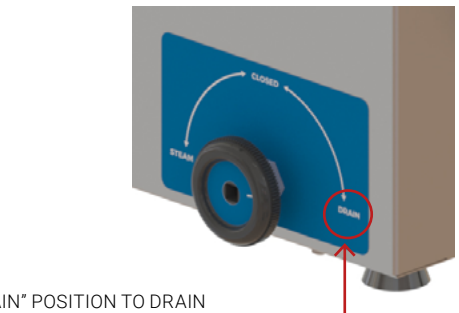
Multiple systems can be used to obtain water with these requirements: osmotized, demineralized, decalcified, distilled water, etc*.

*Note: Take into account that distilled water that is too pure (conductivity less than 5 µS/cm) is not recommended as it may cause long term corrosion on stainless steel.

DRAINAGE CONNECTION

To drain the water from the sterilization chamber, connect the supplied silicone hose to a drain or place a container (a tray or bottle) in the STERILIZATION CHAMBER DRAIN OUTLET (**4**).

See "DRAIN HEIGHT of the sterilization chamber" on page 5.



THE VALVE (**6**) MUST BE ROTATED TO THE "DRAIN" POSITION TO DRAIN THE STERILIZATION CHAMBER.

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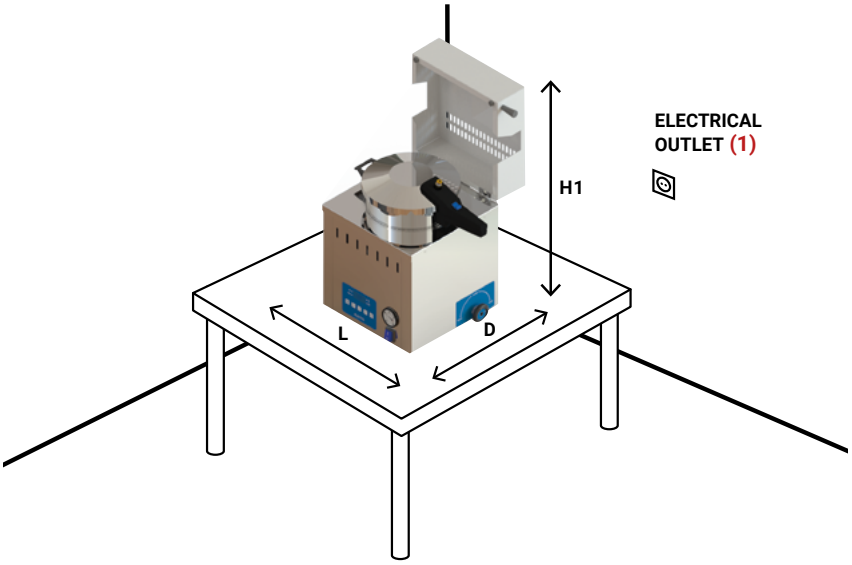
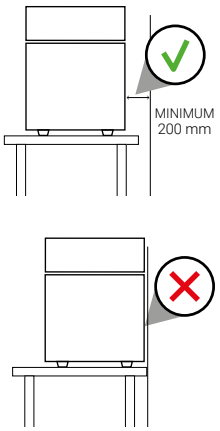
DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR AUTOCLAVE

For safety reasons, the distance between both sides of the autoclave and the wall or any other object must be 100 mm, and between the autoclave and the rear wall must be at least 200 mm.

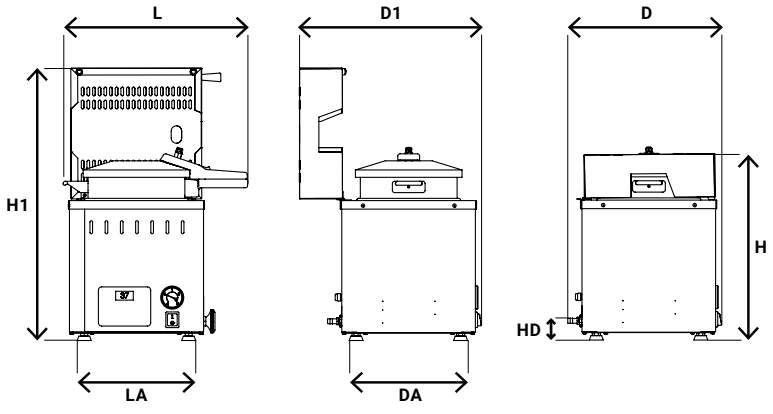
MODEL	L LENGTH	D DEPTH	D1 DEPTH with maximum door opening	H HEIGHT	H1 HEIGHT with maximum door opening	LA x DA SUPPORT AREA	HD DRAINAGE HEIGHT of the sterilization chamber
AES-8	410 mm	355 mm	415 mm	430 mm	625 mm	272 x 272 mm	50 mm



WARNING:
Respect the recommended distances.



FRONTAL AND LATERAL VIEWS



ENVIRONMENTAL CONDITIONS

This autoclave can operate under the following maximum conditions:

- Ambient temperature: 30 ºC
- Humidity: 75%
- Altitude: 3,000 meters above sea level. Take into account that from 1,000 meters above sea level an adjustment of the purge parameter must be made; consult with our technical team.

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ELECTRICAL CONNECTION

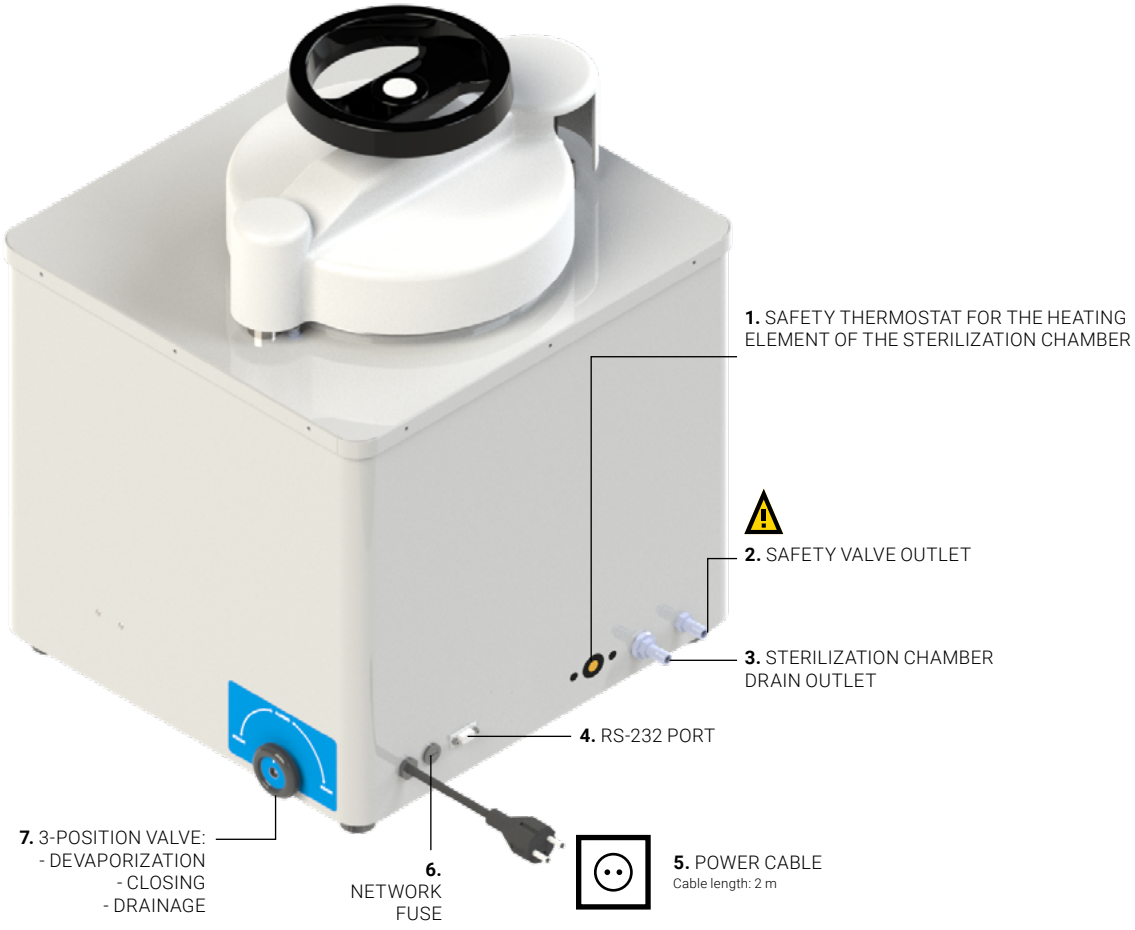
The following table shows the plug configuration according to IEC and SCHUKO international standards. For customers who require other plugs and other electrical configurations, please contact our technical team at raypa@raypa.com.

MODEL	FREQUENCY	POWER	AMPERES / PHASE	TENSION	CONNECTION
AES-12	50/60 Hz	1000 W	4 A	230 (1P+N+PE) V	16 A (1)
AES-12-115V	50/60 Hz	1000 W	8 A	120 (1P+N+PE) V	16 A (1)

(1)

16 A

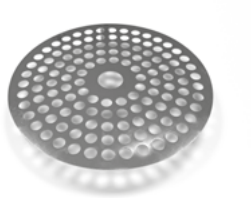
CONNECTIONS GRAPH



AES-12

COMPONENTS INCLUDED

In addition to the accessories chosen at the time of purchase of the autoclave the following components are included:



1 stainless steel protective cover with legs for the heating elements of Ø245 mm to place on the inner base of the sterilization chamber.

1 stainless steel wire basket of Ø220 x 200 mm.

1 heat resistant silicone hose of Ø8 x Ø14 mm and 1 m long for draining the sterilization chamber.

For:
3. STERILIZATION CHAMBER DRAIN OUTLET

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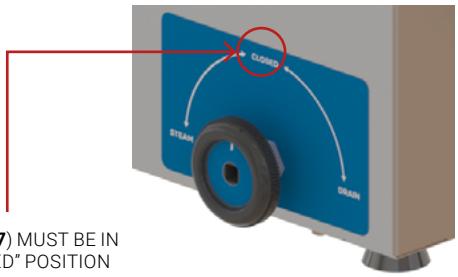
WATER SUPPLY FOR STERILIZATION

Purified water is necessary for the operation of the autoclave and is added directly and manually into the sterilization chamber until it covers completely the heating elements cover (around 2 L).



THE VALVE (**7**) MUST BE IN THE "CLOSED" POSITION WHEN FILLING AND DURING REGULAR OPERATION OF THE AUTOCLAVE.

IMPORTANT NOTE:

PURIFIED WATER

The water used to feed the autoclave must be free of contaminants and meet the following hardness and conductivity requirements:
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- Conductivity: between 5 µS/cm and 15 µS/cm

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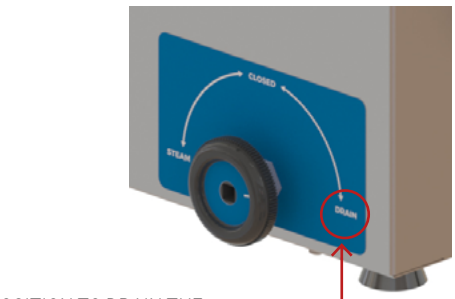
*Note: Take into account that distilled water that is too pure (conductivity less than 5 µS/cm) is not recommended as it may cause long term corrosion on stainless steel.

DRAINAGE CONNECTION

To drain the water from the sterilization chamber, connect the supplied silicone hose to a drain or place a container (a tray or bottle) in the STERILIZATION CHAMBER DRAIN OUTLET (**3**).

See "DRAIN HEIGHT of the sterilization chamber" on page 9.



THE VALVE (**7**) MUST BE ROTATED TO THE "DRAIN" POSITION TO DRAIN THE STERILIZATION CHAMBER.

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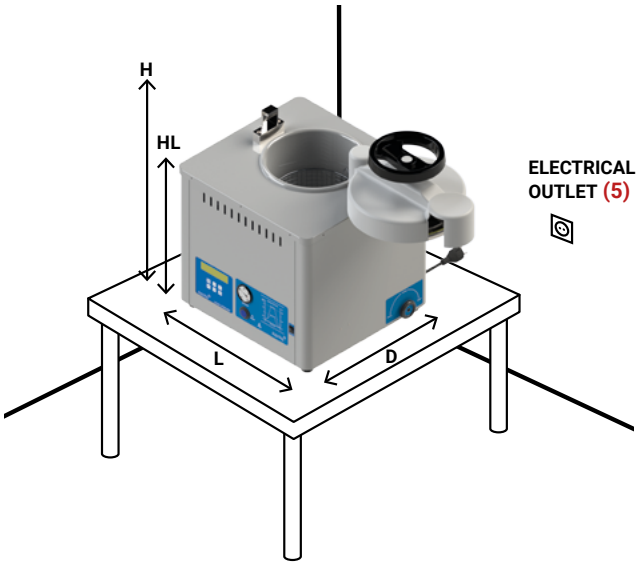
DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR AUTOCLAVE

For safety reasons, the distance between both sides of the autoclave and the wall or any other object must be 100 mm, and between the autoclave and the rear wall must be at least 200 mm.

MODEL	L LENGTH with closed door	L1 LENGTH with maximum door opening	D DEPTH	D1 DEPTH with maximum door opening	H HEIGHT	HL HEIGHT OF LOAD	LA x DA SUPPORT AREA	HD DRAINAGE HEIGHT of the sterilization chamber
AES-12	490 mm	780 mm	475 mm	600 mm	630 mm	400 mm	437 x 412 mm	50 mm



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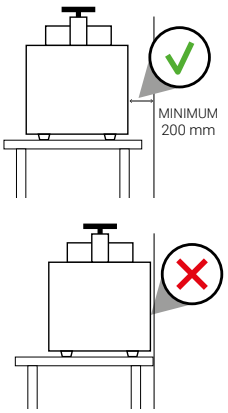
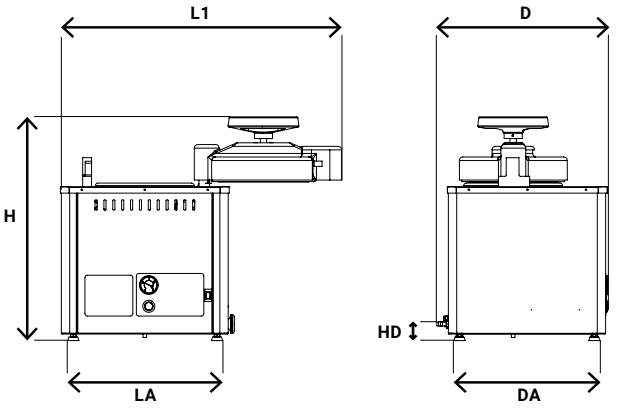
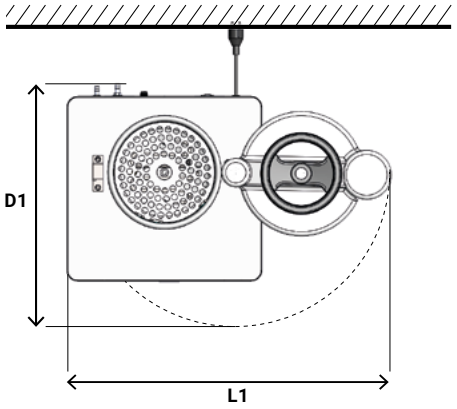


FRONTAL AND LATERAL VIEWS



PLAN VIEW



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more info

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