

AHS-N SERIES - INSTALLATION GUIDE

Information to consider before installing your RAYPA autoclave.

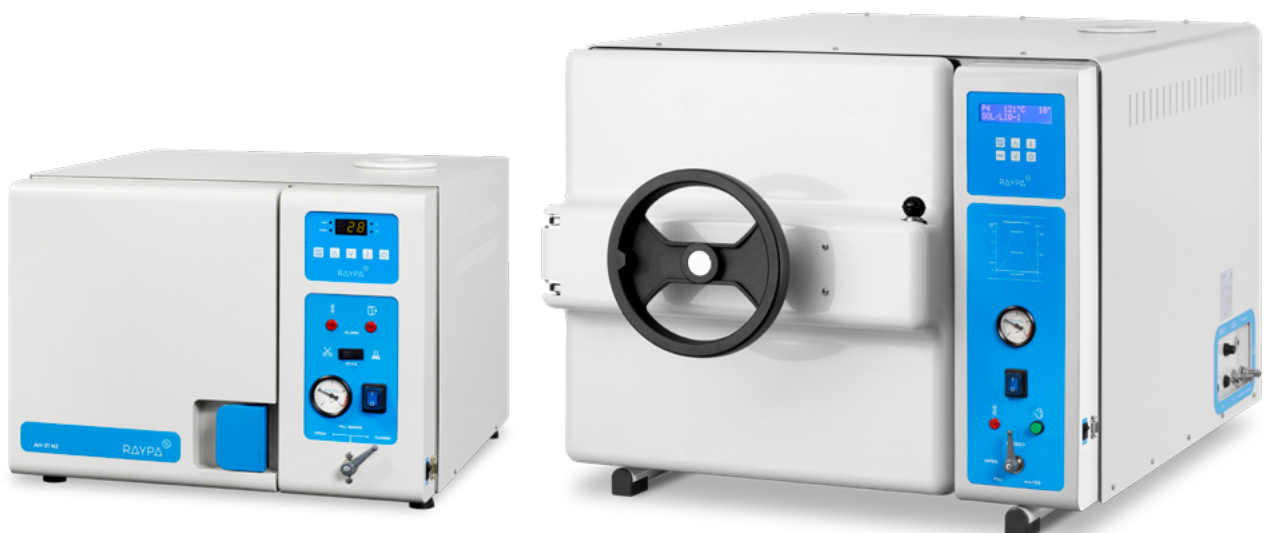
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AHS-50-N AND AHS-75-N MODELS

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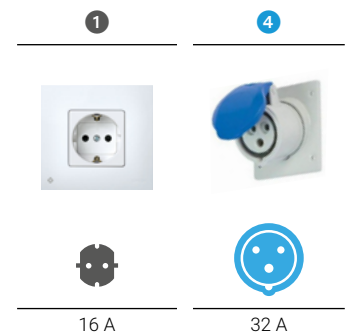


AH-21-N2

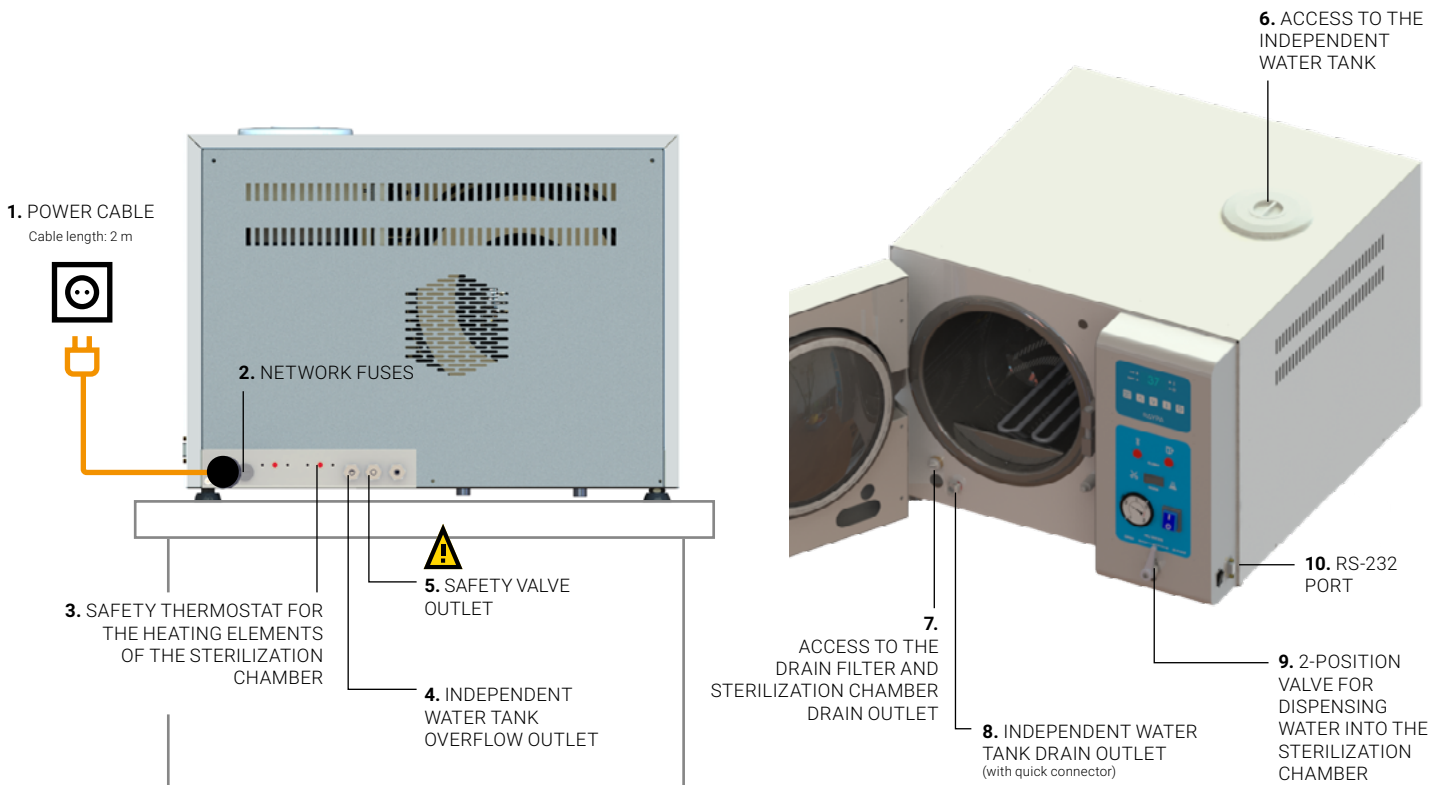
ELECTRICAL CONNECTION

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
AH-21-N2	50/60 Hz	2000 W	9 A	230 (1P+N+PE) V	16 A ①
AH-21-N2-115V	50/60 Hz	2000 W	17 A	120 (1P+N+PE) V	32 A ④



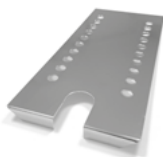
CONNECTIONS GRAPH



AH-21-N2

COMPONENTS INCLUDED

In addition to the accessories chosen at the time of purchase of the autoclave (tray support, software kit, basket, etc.), the following components are always included:



1 stainless steel protective cover for the heating elements of 175 x 390 mm to place it on the inner base of the sterilization chamber.



1 stainless steel frame of 200 x 400 x 180 mm, with capacity for 4 trays. It includes 3 stainless steel wire trays of 190 x 350 mm. Special frame compatible with up to 5 trays available under request.



1 auxiliary plastic tray of 200 x 280 mm, to collect the condensed water after opening the door.



1 metal clamp for moving trays.



1 silicone hose with fast connection of $\varnothing 5 \times \varnothing 8$ mm and 1 m long, for draining the independent water tank.

For:

8. INDEPENDENT WATER TANK DRAIN OUTLET

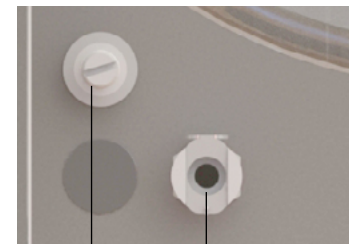
AH-21-N2

DRAINAGE CONNECTIONS

To drain the independent water tank, connect the included quick connection silicone hose to the INDEPENDENT WATER TANK DRAIN OUTLET (8).

See "DRAINAGE HEIGHT for draining the independent water tank" on page 6.

To clean the drain filter or drain the sterilization chamber, unscrew the screw on the ACCESS TO THE DRAIN FILTER AND STERILIZATION CHAMBER DRAIN OUTLET (7) while placing the supplied plastic tray underneath.



8. INDEPENDENT WATER
TANK DRAIN OUTLET

7.
ACCESS TO THE DRAIN
FILTER AND STERILIZATION
CHAMBER DRAIN OUTLET



ATTENTION: If using the INDEPENDENT WATER TANK DRAIN OUTLET (8) or the ACCESS TO THE DRAIN FILTER AND STERILIZATION CHAMBER DRAIN OUTLET (7) shortly after sterilization is complete, water may run out at a high temperature.

AH-21-N2

WATER SUPPLY FOR STERILIZATION

Purified water is necessary for the operation of the autoclave and is added manually into the independent water tank with a capacity of 6L by unscrewing the cap on the ACCESS TO THE INDEPENDENT WATER TANK (6). Then, the valve (9) can be activated to dispense water into the sterilization chamber until the upper part of the heating elements cover is covered with water.

See "FREE HEIGHT for filling the independent water tank" on page 6.

It must be filled up to the level mark inside the independent water tank. If the maximum water level is exceeded, discharge will come out through the INDEPENDENT WATER TANK OVERFLOW OUTLET (4).



6. ACCESS TO THE INDEPENDENT WATER TANK



THE VALVE (9) MUST BE IN THE "CLOSED" POSITION WHEN FILLING THE INDEPENDENT WATER TANK AND DURING REGULAR OPERATION OF THE AUTOCLAVE.



THE VALVE (9) MUST BE IN THE "OPEN" POSITION TO DISPENSE WATER INTO THE STERILIZATION CHAMBER.

IMPORTANT NOTE:

PURIFIED WATER

The water 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 $5 \mu\text{S/cm}$ and $15 \mu\text{S/cm}$

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 $5 \mu\text{S/cm}$) is not recommended as it may cause long term corrosion on stainless steel.

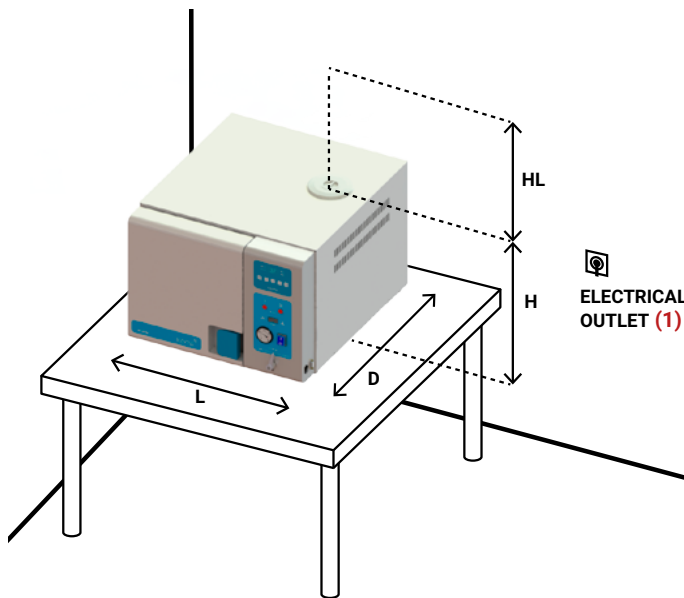
AH-21-N2



DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR AUTOCLAVE

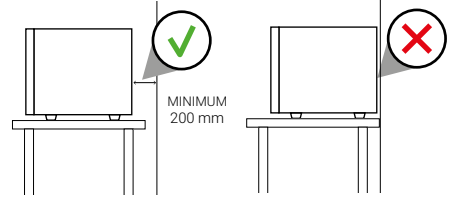
For safety reasons, the distance between both sides of the autoclave and the wall or any other object must be 100 mm, and between the autoclave and the rear wall must be at least 200 mm.

MODEL	L LENGTH with closed door	L1 LENGTH with maximum door opening	D DEPTH	D1 DEPTH with maximum door opening	H HEIGHT	LA x DA SUPPORT AREA	HL FREE HEIGHT for filling the independent water tank	HD DRAINAGE HEIGHT for draining the independent water tank
AH-21-N2	560 mm	740 mm	680 mm	970 mm	425 mm	537 x 527 mm	400 mm	50 mm

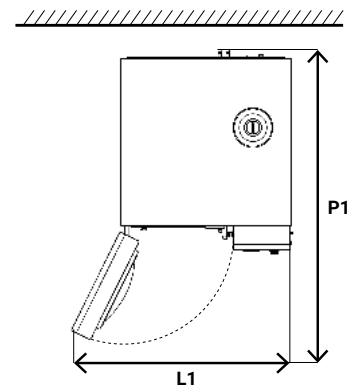


WARNING:

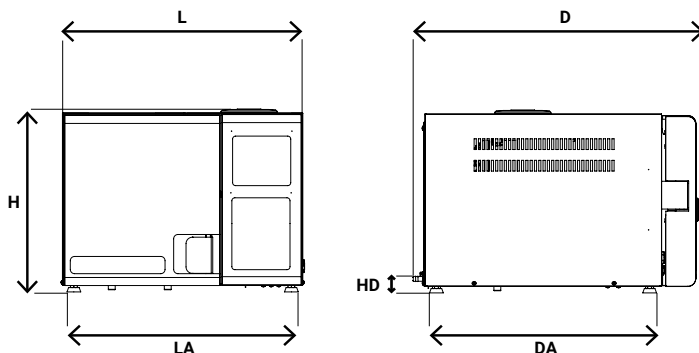
Respect the recommended distances.



PLAN VIEW



FRONTAL AND LATERAL VIEWS



ENVIRONMENTAL CONDITIONS

This autoclave can operate under the following maximum conditions:

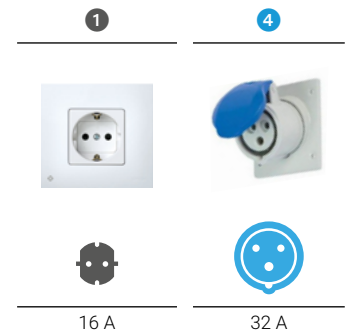
- Ambient temperature: 30 °C
- Humidity: 75%
- Altitude: 3,000 meters above sea level. Take into account that from 1,000 meters above sea level an adjustment of the purge parameter must be made; consult with our technical team.

AHS-50-N AND AHS-75-N

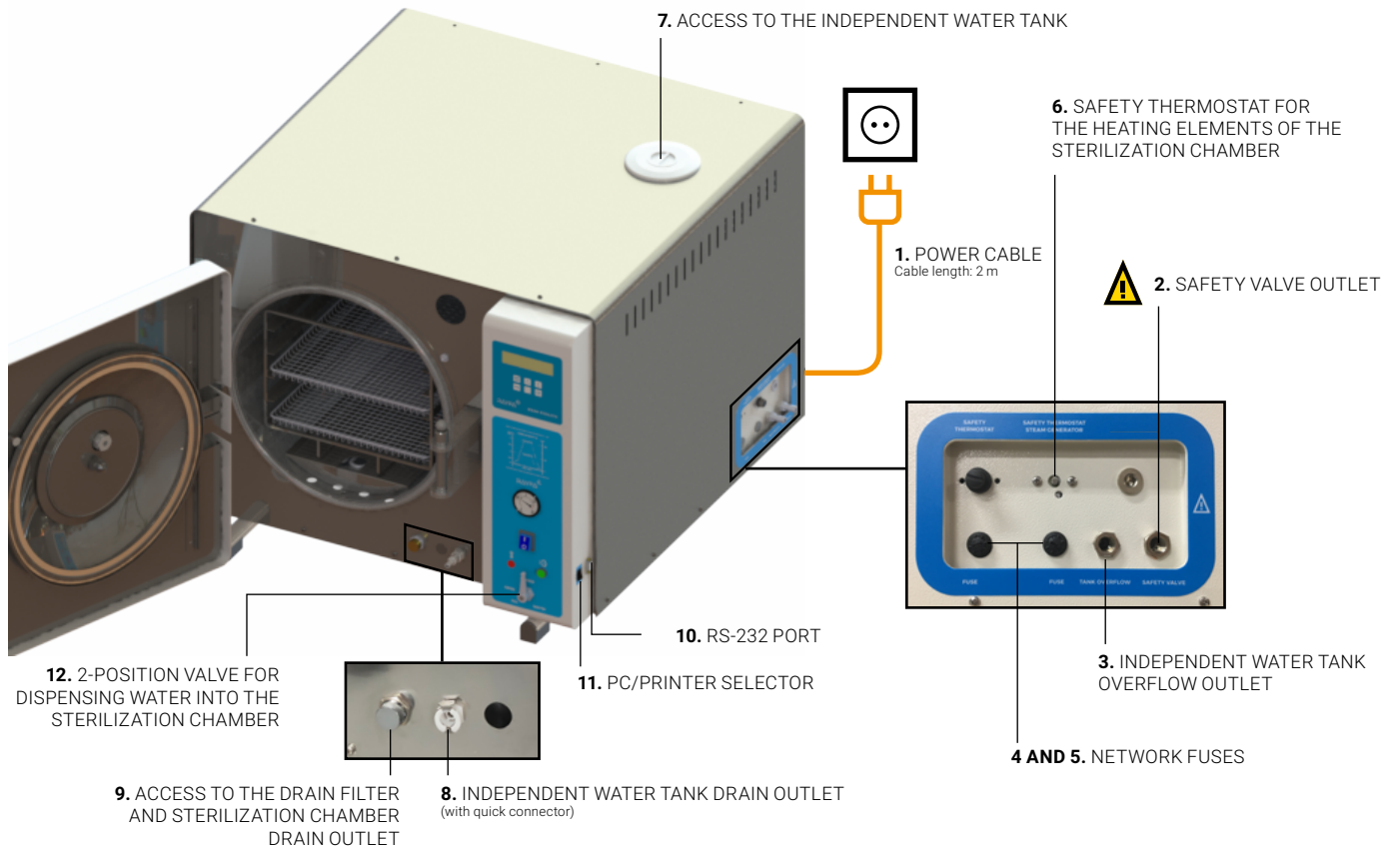
ELECTRIC CONNECTION

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
AHS-50-N	50/60 Hz	2800 W	9 A	230 (1P+N+PE) V	16 A ①
AHS-50-N-115V	50/60 Hz	2800 W	17 A	120 (1P+N+PE) V	32 A ④
AHS-75-N	50/60 Hz	3200 W	14 A	230 (1P+N+PE) V	16 A ①
AHS-75-N-115V	50/60 Hz	3200 W	27 A	120 (1P+N+PE) V	32 A ④



CONNECTIONS GRAPH



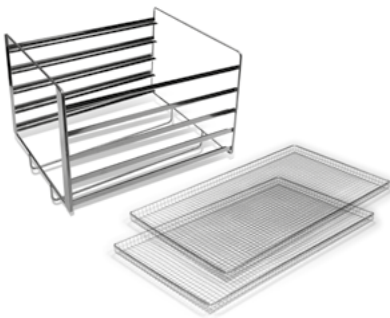
AHS-50-N AND AHS-75-N
COMPONENTS INCLUDED

In addition to the accessories chosen at the time of purchase of the autoclave (tray support, software kit, basket, etc.), the following components are always included:



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

MODELS	DIMENSIONS L X D
AHS-50-N	235 x 370 mm
AHS-75-N	235 x 570 mm



1 stainless steel frame with capacity for 5 trays. Includes 2 stainless steel wire trays.

MODELS	FRAME DIMENSIONS L X D X H	TRAY DIMENSIONS L X D
AHS-50-N	320 x 360 x 270 mm	315 x 330 mm
AHS-75-N	320 x 565 x 270 mm	315 x 530 mm



1 auxiliary plastic tray of 250 x 350 mm, to collect the condensed water after opening the door.



1 metal clamp for moving trays.



1 silicone hose with fast connection of $\varnothing 5 \times \varnothing 8$ mm and 1 m long, for draining the independent water tank.

For:
8. INDEPENDENT WATER TANK DRAIN OUTLET



2 stainless steel threaded pins which must be installed at the lateral connections.

For:
2. SAFETY VALVE OUTLET
3. INDEPENDENT WATER TANK OVERFLOW OUTLET

AHS-50-N AND AHS-75-N

DRAINAGE CONNECTIONS

To drain the independent water tank, connect the included quick connection silicone hose to the DRAIN OUTLET OF THE INDEPENDENT WATER TANK (8).

See "DRAINAGE HEIGHT for draining the independent water tank" on page 11.

To clean the drain filter or drain the sterilization chamber, unscrew the screw on the ACCESS TO THE DRAIN FILTER AND STERILIZATION CHAMBER DRAIN OUTLET (9) while placing the supplied plastic tray underneath.



**8. INDEPENDENT WATER
TANK DRAIN OUTLET
(with quick connector)**

**9. ACCESS TO THE DRAIN FILTER
AND STERILIZATION CHAMBER
DRAIN OUTLET**



ATTENTION: If using the INDEPENDENT WATER TANK DRAIN OUTLET (8) or the ACCESS TO THE DRAIN FILTER AND STERILIZATION CHAMBER DRAIN OUTLET (9) shortly after sterilization is complete, water may run out at a high temperature.

AHS-50-N AND AHS-75-N

WATER SUPPLY FOR STERILIZATION

Purified water is necessary for operation of the autoclave and is added manually into the independent water tank with a capacity of 6L by unscrewing the cap on the ACCESS TO THE INDEPENDENT WATER TANK (6). Then, the valve (12) can be activated to dispense water into the sterilization chamber until the upper part of the heating elements cover is covered with water.

See "FREE HEIGHT for filling the independent water tank" on page 11.

It must be filled up to the level mark inside the independent water tank. If the maximum water level is exceeded, discharge will come out through the INDEPENDENT WATER TANK OVERFLOW OUTLET (3).



6. ACCESS TO THE INDEPENDENT WATER TANK



THE VALVE (12) MUST BE IN THE "CLOSED" POSITION WHEN FILLING THE INDEPENDENT WATER TANK AND DURING REGULAR OPERATION OF THE AUTOCLAVE.



THE VALVE (12) MUST BE IN THE "OPEN" POSITION TO DISPENSE WATER INTO THE STERILIZATION CHAMBER.

IMPORTANT NOTE:

PURIFIED WATER

The water used to feed the autoclave must be free of contaminants and meet the following hardness and conductivity requirements:

- Hardness: ≤ 0.02 mmol/l
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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 $5 \mu\text{S/cm}$) is not recommended as it may cause long term corrosion on stainless steel.

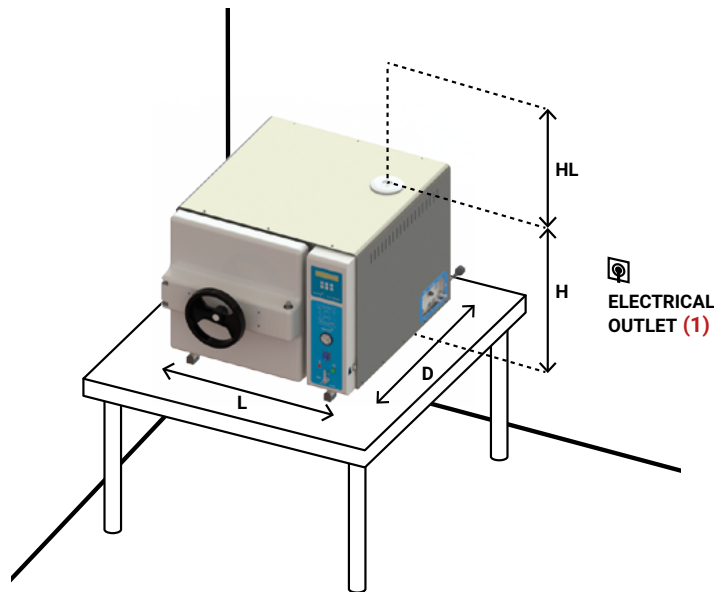
AHS-50-N AND AHS-75-N



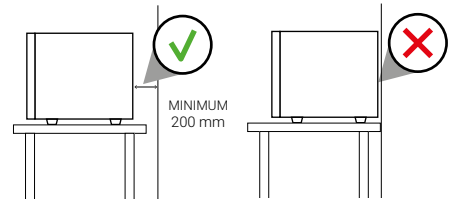
DIMENSIONS TO CONSIDER FOR THE INSTALLATION OF YOUR AUTOCLAVE

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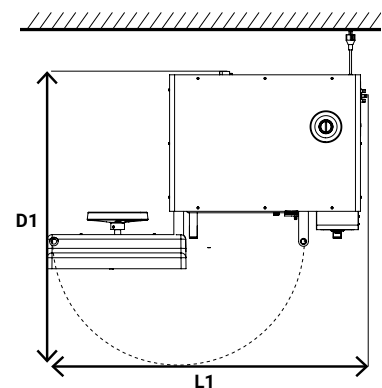
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AHS-50-N	805 mm	1240 mm	805 mm	1230 mm	650 mm	622 x 670 mm	400 mm	95 mm
AHS-75-N	805 mm	1240 mm	1005 mm	1430 mm	650 mm	622 x 830 mm	400 mm	95 mm



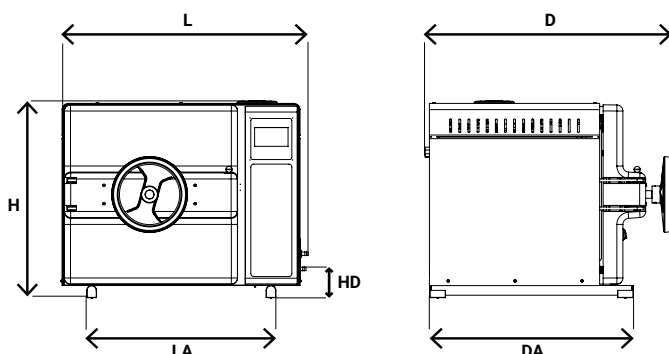
WARNING:
Respect the recommended distances.



PLAN VIEW



FRONTAL AND LATERAL VIEWS



ENVIRONMENTAL CONDITIONS

This autoclave can operate under the following maximum conditions:

- Ambient temperature: 30 °C
- 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.

+ info

CLICK!
ACCESS THE
AHS-N SERIES
VIDEO



Find out more about our AHS-N Series on our **Youtube** Channel.



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