



2019

BENCH TOP
AUTOCLAVES

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BENCH TOP AUTOCLAVES

Class N Autoclaves



ATV 20 HYDRA EVO

Technical data		ATV 20 HYDRA EVO1
Capacity	lt	16
Filling tank capacity	lt	4.5
Filling water		Demineralized or distilled
Dimensions (LxWxH)	mm	510x590x390
Chamber dimensions (Dia*H)	mm	Ø245x318
Chamber material		AISI 304 stainless steel
Opened door dimensions	mm	300
Rated Power	kW	1.5
Max sterilization temperature	°C	134
Max working pressure	bar	2,4
Max vacuum		-
Number of supplied trays		4
Tray material		Anodized aluminium
Tray dimensions (LxWxH)	mm	192x280x165
Weight	Kg	54
Code		608.1000.20

V/HZ 220/240-50/60

SAFETY CLASS IIA



Class N sterilization: unwrapped materials without cavities.
General purpose, simple sterilization for laboratories.



Pre-set cycles:

- 121°C cycle: for solid and ferrous materials (unwrapped);
- 134°C cycle: for solid and ferrous materials (unwrapped).



Protected tray holder to protect against contact between load and chamber.
Safety thermostat.
Certified safety valve.
3 safety devices on the door:

- mechanic and electro-magnetic device: it blocks the door opening up to the end of the cycle;
- electrical device: it operates when the door is forcibly opened;
- dynamic device: the door gasket does not allow opening of the door if there is pressure within the chamber.



AISI 304 stainless steel circular chamber.
5 kg Maximum load per cycle.
Forced ventilation system.
Rear board with prefitting and automatic water filling and discharge.
Insulation of the chamber with certified ceramic material.



Constantly monitored cycles to detect uncommon feature.
Pre-set cycles, not manipulable to guarantee a safe sterilization.
Printer included.
Manually operated door.
Deionization connection.
Water filling:

- automatic water filling from water supply by external purification device;
- automatic water filling from external tank with purified water.



Sterilization process:

- preheating system: parameters, temperature and pressure are set;
- sterilization: all the micro-organisms are eliminated. Pressure, temperature and time shall be perfectly monitored;
- drying: perfect drying ensures high sterility.

* to compare Bench Top Autoclaves models see page 7

BENCH TOP AUTOCLAVES

Class B Autoclaves



Class B sterilization: wrapped and unwrapped materials (canulas, tubes or devices with small passages):

- porous bodies: simple and compound materials that soak up fluids (tissues, gowns, surgical gauzes, dressing, etc...);
- hollow bodies: materials, device and obstructions with small cavities.



Pre-set cycles:

- 121°C cycle: for thermoplastic, hallow bodies, solid and ferrous materials (wrapped and unwrapped);
- 134°C classic cycle: for solid and ferrous materials (wrapped and unwrapped);
- 134°C "flash" cycle for quick sterilization cycles (unwrapped);
- 134°C "prion" cycle for Cruetzenfeld & Jacobs disease (wrapped).



Protected tray holder to safeguard against contact between load and chamber.

Safety thermostat.

Certified safety valve.

3 safety devices on the door:

- mechanic and electro-magnetic device: it blocks the door opening up to the end of the cycle;
- electrical device: it operates when the door is forcibly opened;
- dynamic device: the door gasket does not allow opening of the door if there is pressure within the chamber.



AISI 304 stainless steel circular chamber.

5 kg Maximum load per cycle.

Forced ventilation system.

Insulation of the chamber with certified ceramic material.

Rear board with prefitting and automatic water filling and discharge.



Constantly monitored cycles to detect uncommon feature.

Pre-set cycles to guarantee a safe sterilization.

Ergonomic structure and easy to use.

Printer included.

Manually operated door.

Deionization connection.

Night cycle.

PID microprocessor.

Automatic barometric alignment system.

Water filling:

- automatic water filling from water supply by external purification device;
- automatic water filling from external tank with purified water.



Sterilization process:

- fractional vacuum: pump system alternates negative pressure (vacuum) phases with positive pressure phases;
- preheating system: parameters, temperature and pressure are set;
- sterilization: all the micro-organisms are eliminated. Pressure, temperature and time shall be perfectly monitored. A double-probe, microprocessor-controlled system controlled by PID;
- drying: perfect drying ensures high sterility.



ATV 50 EUROPA B EVO

Technical data	ATV 50 EUROPA B EVO	
Capacity	lt	16
Filling tank capacity	lt	4.5
Filling water	Demineralized and distilled	
Dimensions (LxWxH)	mm	510x590x390
Chamber dimensions (Dia*H)	mm	Ø245x320
Chamber material	AISI 304 stainless steel	
Opened door dimensions	mm	300
Rated Power	kW	1.7
Max sterilization temperature	°C	138
Max working pressure	bar	2,4
Max vacuum		-0.9
Number of supplied trays		4
Tray material	Anodized aluminium	
Tray dimensions (LxWxH)	mm	184x280x17
Weight	Kg	54
Code	608.1000.50	

V/HZ 220/240-50/60

SAFETY CLASS IIA

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COMPARATIVE TABLES

Features tables

	ATV 20 HYDRA EVO CLASS N	ATV 50 EUROPA B EVO CLASS B
Included printer	yes	yes
Manually operated door	yes	yes
Deionization connection	yes	yes
Night cycle	no	yes
PID microprocessor	no	yes
Automatic barometric alignment system	no	yes

Sterilization cycles table

	121°C unwrapped	121°C wrapped	134°C unwrapped	134°C wrapped	134°C Flash unwrapped	134°C Prion wrapped
ATV 20 HYDRA EVO CLASS N	X		X			
ATV 50 EUROPA B EVO CLASS B	X	X	X	X	X	X

Technical data		ATV 20 HYDRA EVO CLASS N	ATV 50 EUROPA B EVO CLASS B
Capacity	lt	16	16
Filling tank capacity	lt	4.5	4.5
Filling water		Demineralized or distilled	Demineralized or distilled
Dimensions (LxWxH)	mm	510x590x390	510x590x390
Chamber dimensions (Dia*H)	mm	Ø245x318	Ø245x320
Chamber material		AISI 304 stainless steel	AISI 304 stainless steel
Opened door dimensions	mm	300	300
Rated Power	kW	1.5	1.7
Max sterilization temperature	°C	134	138
Max working pressure	bar	2.4	2.4
Max vacuum		-	-0.9
Number of supplied trays		4	4
Tray material		Anodized aluminium	Anodized aluminium
Tray dimensions (LxWxH)	mm	192x280x165	184x280x17
Weight	Kg	54	54
Code		608.1000.20	608.1000.50

V/HZ 220/240-50/60

SAFETY CLASS IIA