



# Touchclave V+ 50, 80 and 150-Litre Vertical Autoclaves

Microprocessor Temperature and Cycle Control with Atmospheric Purge.  
Touchscreen Control of Time and Temperature. Range From 115 C To 134 °C.

## SAFETY:

Safety over pressure valve: prevents over pressure above the maximum set limit.

Safety pressure switch: disconnects power to the heater if the unit exceeds the maximum pressure limit.

Safety thermostat and water level: disconnect power to the heater if insufficient water or over-temperature.

Safety interlock: prevents the lid being opened if the chamber is under pressure.

Safety insulation: thermally insulated lid.

Conforms fully with EN61010-1, EN61010-2-040, EN61326 and PED2014/68/EU

## Features

- External case made from stainless steel.
- Incoloy stainless steel heater elements
- Process registration and download via usb.
- External probe port (50 and 80 litre models only).
- Sterilization chamber and door made from stainless steel.
- Automatic purge to atmosphere.
- 10 user-configurable programs.

## Control Panel

1. TFT touch screen.
2. Pressure gauge.
3. Push button open lid.



Models	Cat. No	Capacity Litres	Chamber Dims cm	HWD Exterior cm	Power W	Weight KG
TOUCHCLAVE V50+	AVPV50	50	30x70	117x48x62	3600	75
TOUCHCLAVE V80+	AVPV80	80	40x60	119x58x72	3600	100
TOUCHCLAVE V150+	AVPV150	150	50x70	118x80x95	7500	225

Does not include baskets and drums, can be ordered separately.

Touchclave-V50+ and 80+ are single phase and require a 220-240V supply

Touchclave-V+150 is 3-phase and requires 400-440V supply.

## Popular Option



Data Printer – Details of program, temperature, pressure, time and stage.

Cat No. **AVTDP**

1. Safety valve.
2. Mains power.
3. Safety thermostat
4. Steam empty valve and Drain selector valve.
5. USB connector.

## Back View



For a full list of options and accessories, please see below



# Touchclave V+Dry 50, 80 and 150-litre Vertical Autoclaves

Microprocessor Process Control.

Automatic Pre-Vacuum Air Removal and Vacuum Dry Functions

Programmable Temperature From 105 °C To 134 °C

## Conformity

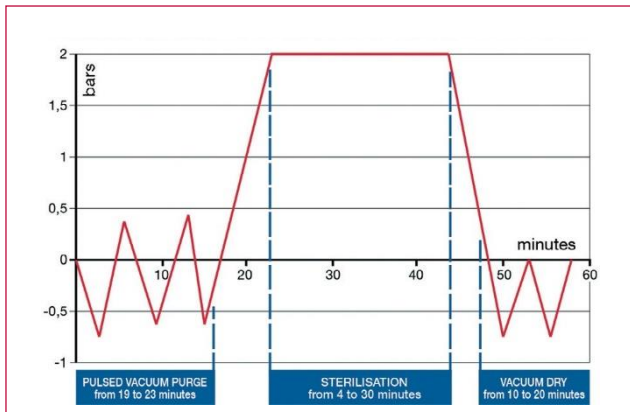
EN61010-1	Safety for Equipment for Laboratory Use
EN61010-2-040	Safety for Sterilizer Equipment for Laboratory Use
EN61326	Electromagnetic Compatibility for Equipment For Laboratory Use.

## Features

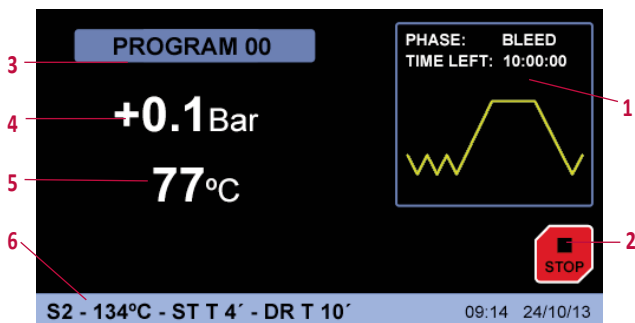
- Pulsed vacuum system and atmosphere purge. External steam generator (except 150-litre autoclave).
- Water reservoir for clean water for the steam generator boiler. External water connection if required.
- 6 function modes.
- RS 232 for PC parameters printing (back side). Printer output.
- USB output for PEN-DRIVE data logging. Connection for a second temperature sensor. 10 customer set programs.
- External probe port (except 150-liter autoclave).



Diagram Showing the Function Cycle



## Touchscreen Control Panel



1. Graphical representation of real time process
2. Start/Stop.
3. Running program.
4. Pressure indicator.
5. Temperature indicator.
6. Cycle parameters.

## Popular Option



Data Printer – Details of program, temperature, pressure, time and stage.

Cat No. **AVTDP**

## SAFETY

**Safety:** The lid cannot be opened if the chamber is under pressure.

**Safety valve:** Prevents over pressure over the maximum limit.

**Safety pressure switch:** switches the heater power off to if over pressure.

**Safety Lid:** insulated lid protection.

## Microprocessor Features

The microprocessor controls the performing of the air extraction process, sterilizing and drying, executing the selected procedures and commands by the user, adjusting the following parameters:

- Sterilization temperature from 105°C up to 134°C.
- Sterilization time from 3 to 59mins.
- Drying time from 20 to 60mins.
- Up to 10 user-configurable programs.
- Six operating modes:
  - Solid 1 - Solid 2 (vacuum). - Solid 3 (vacuum) - Drying
  - Liquids - Liquids (2 probes)
- Verification test
  - Vacuum - Bowie Dick.
- Languages (Spanish, English, French).
- Printer module On/Off. - Clock: date/time.
- - External water: on/off.
- Configurable passwords.
- Calibration (adjustment offset)
- Temperature probe 1 - Temperature probe 2
- Water dosing. - Pressure
- Audible and visual alarm for overtemperature and insufficient temperature.
- Network failure detection
- data logging with capacity For >500 cycles.
- Internal cleaning program
- Graphical representation of real time process

Models	Cat. No	Capacity Litres	Chamber Dims cm	HWD Exterior cm	Temp ° C	Water Reservoir Cap L	Basket Size	Power W	Weight KG
TOUCHCLAVE V+DRY50	AVPDV50	50	30x63	117x48x62	105-134	10	3	3600	108
TOUCHCLAVE V+DRY80	AVPDV80	80	40x60	119x58x72	105-134	10	2	4800	136
TOUCHCLAVE V+DRY150	AVPDV150	150	50x70	118x80x95	105-134	20	3	7500*	250

Does not include baskets and drums, can be ordered separately.  
 Touchclave-V50+ and 80+ are single phase and require a 220-240V supply  
 Touchclave-V+150 is 3-phase and requires 400-440V supply.

## Parameters and Programs Pre-Installed in the Autoclave Microprocessor

(Note: All these parameters are adjustable by the user)

No. Programme	Description	Temp. Sterilization	Time Sterilization	Time Dry	Purge
0	Free	-	-	-	-
1	Unwrapped Instruments	134° C	4 Min	15 Min	2 (1)
2	Wrapped Instruments	134° C	12 Min	30 Min	3 (2)
3	CJD	134° C	20 Min	20 Min	3 (2)
4	Delicate Unwrapped	121	15 Min	15 Min	2 (1)
5	Delicate Wrapped	121	30 Min	30 Min	3 (2)
6	Disinfecting	105	25 Min	15 Min	1 (3)
7	Liquids	121	30 Min	-	1 (3)
8	Solids	121	15 Min	30 Min	1 (3)
9	Solids	134	4 Min	30 Min	1 (3)

(1) Double Vacuum Purge (2) Triple Vacuum Purge (3) Atmospheric Purge (No Vacuum)

## Other Options and Accessories

### Loading and unloading hoist

Baskets elevator for loading and unloading of autoclaves.

Swing facility for placing baskets onto a trolley. Total lift height: 2.35 m

Maximum crane load: 40 Kg. Power: 230V 300W

Available on all models

Part No: **1002426**

### Pt 100 Sensor.

Floating temperature probe.

For Touchclave V+, this only provides the ability to be able to read the load temperature.

For Touchclave V+Dry, this is connected to the autoclave controller and to regulate the sterilization cycle based on load temperature.

Cat. No: **4001219**

## Accessories for Vertical Autoclaves

Part No.	Ø	Height cm	Suitable for Autoclave Capacity	No. Baskets
1000495	27	20	50L	3
1000496	36	28	80L	2
1000780	44	22	150L	3
1000490*	26	19	50L	3
1000491*	36	26	80L	2
1000492*	47	20	150L	3

\*304 grade stainless steel blind baskets.

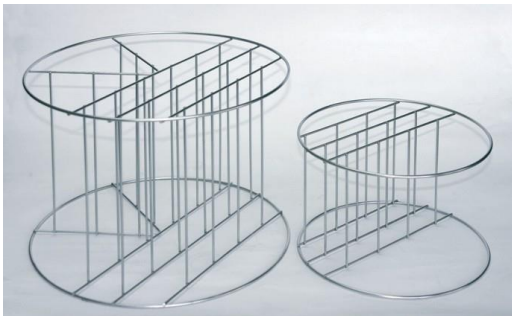


## ASI 316 stainless steel wire dividers for autoclave baskets. Part No.

**1001217** 4 divider compartments for basket part no. 1000495.

**1001218** 6 divider compartments for basket part no. 1000496.

**1001222** 7 divider compartments for basket part no. 1000780.



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