

Convenience:

The ProfiClave features an intuitive software. Twenty storable programs for each mode of operation are easy to enter and easily accessible via a convenient touch screen. The ProfiClave offers an easily removable inner vessel and an automatic self-cleaning cycle to simplify clean-up. A large sample port for the addition of supplements is standard.

Mechanical and Electronic Security Features:

A complete safety program monitors all pressure and heating functions.

1. Auto-lock of outer safety lid with bolt catch ensures no lid opening during operation.
2. Pressure chamber with bajonet catch for safest lock.
3. Pressure sensors and valves prevent over-pressuring the unit during operation.
4. Safety thermostats protect against overheating.

In addition, the unit is equipped with a mechanical pressure gauge that operates independently of the power supply. Before each run, a pressure test is executed, preventing the system from starting before the vessel is fully sealed. The pressure pump prevents flash boiling during cool-down.

Operated by means of a touch screen!

All program data, parameters, and operating states are clearly displayed on a backlit, graphic monitor. All entries are made via touch keys (soft keys) and a numeric keypad. The unit is monitoring all device functions (motors, sensors and switches) at the start and throughout the sterilisation process. The ProfiClave is interfacable to a host PC, through its front or rear ports.



Version / Electrical Data

600001 €-Version	1 x 230 VAC +/- 10% 14 A	Mains fusing internal: 1 x 16 A
600002 Swiss-Version	3 x 400 VAC +/- 10% 4,6 A	Mains fusing internal: 3 x 6 A
600003 US-Version	2 x 120 VAC +/- 10% 15,4 A	Mains fusing internal: 2 x 16 A
600004 Japan-Version	1 x 200 VAC +/- 10% 16 A	Mains fusing internal: 1 x 20 A
	3200 W	Max. operation power consumption



Each ProfiClave complete version consists of

1 Stainless steel vessel 10l complete	Item 600 200
1 Magnetic stirrer	Item 600 208
1 Sterile filter, pore size 0.45 µm	Item 600 202
1 Lid seal	Item 600 203
1 Paper roll for thermo printer	Item 750 170
1 Decanting tube, silicone, complete	Item 600 204
1 Medium outlet tube support	Item 600 218
1 Flat wrench SW27	Item 600 219

Options

Medium outlet tube stainless steel	Item 600 205
Base plate and flexible Pt-100 temperature sensor (autoclave kit)	Item 600 206

Mechanical data and environment

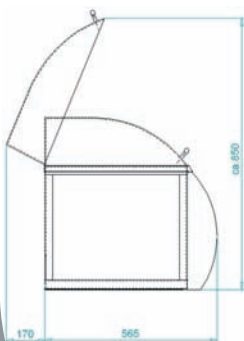
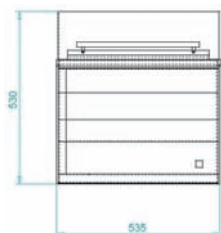
Dimensions W x H x D, Weight	535 / 530 / 565mm / 53,8 kg	Packed; 750 / 700 / 840mm / 70,8 kg
Water connection	3/4 inches (waste, cooling, DI water)	Standard thread
Capacity	Total 12L, Vessel 10L, Waterbath 5L	
Accuracy of temperature	0.1°C resolution, ± 0.5°C	
Maximum pressure of cooling water	4 bar	1.8l/min consumption while cooling

Software parameters

	Value	Details
Programmes	20 on each function, total 60	All process parameters selectable
Double heating cycle (Chocolate Agar)	Yes	On each program individually
Sterilisation	70 - 122°C	1 - 120 Min
Timer	Selectable timer 0 min - 24 hours!	Automatic programm start
Max dispensing time	480 Min	
Stirrer Speed	45 - 230rpm	Variable, selectable on each step
Printer	Yes	Print cycle 15 Sec to 10 Min
Graphic display	240 x 128 pixels	With LED backlighting, Touchscreen

Process Data

	Value I / small volume	Value II / small volume
Heat up cycle time, start temp 40°C	3L in 20 Min at 121°C	9L in 30 Min at 121°C
Cool down cycle, target temp 55°C	3L in 8 Min from 121°C to 55°C	9L in 15 Min from 121°C to 55°C
Process (40° - > 121°/15Min - > 55°)	3L in 45 Min	9L in 65 Min



BIOTOOL AG
Weinfelderstrasse 113
8580 Amriswil

Tel. ++41 (0)34 423 50 60
info@biotoolswiss.com
www.biotoolswiss.com

BIOTOOL SWISS
innovative laboratory technology