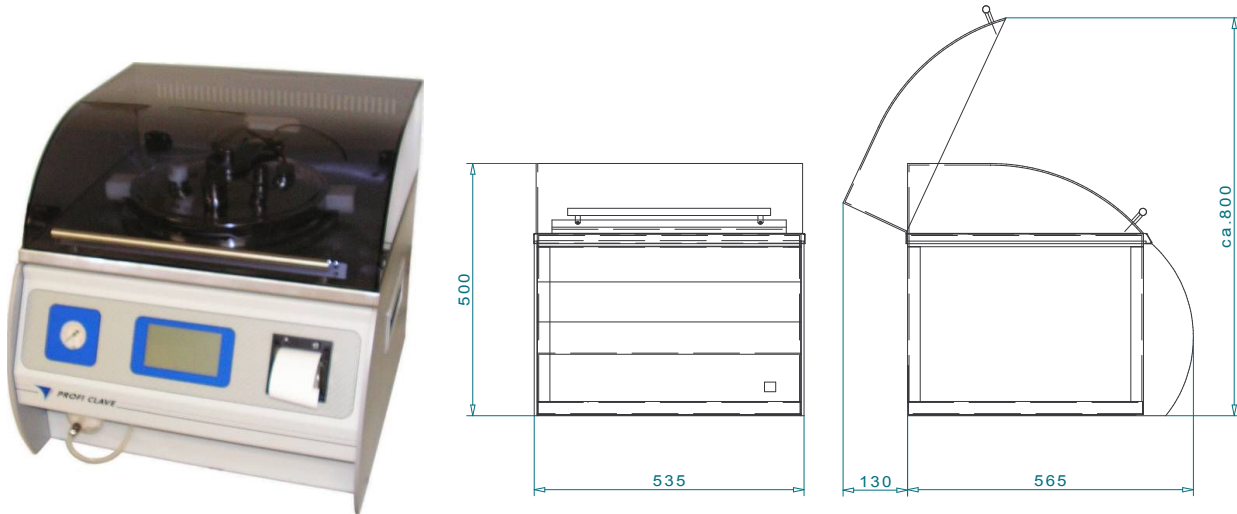


PROFICLAVE PC10

The most versatile and convenient media sterilizer made in Switzerland.



ProfiClave 10

ProfiClave, **fully automated bench top Agar/Media Preparator**, for fastest processing of 0.5 – 9l ready to dispense Agar/Nutrient-Medium.

BioTool's latest development ProfiClave PC10 sterilizer prepares up to 9 liters of simple or complex vitamins / blood added agar formulations, easier and faster ever.

Enhanced user programme capabilities (3 * 20 programmes), operating parameter print-out (integrated in Front panel), external control functions (front panel connection), best stirring control and full metal housing make the ProfiClave our best and most capable Mediapreparator, ever! It accurately maintains the Agar in any stage of the single or double cycle process at its temperature even for hours!

Equipped with intuitive intelligent software (in German and English), accessible via a convenient touch screen, any user can be productively using the MediaPrep after minimal instruction.

FEATURES

- Prepares agar from 0.5 up to 9 liters, stirred and temperature controlled
- Vessel access is amazingly simple - no bolts or tools required
- Stores up to 3 * 20 user-defined programs (single or double cycle programmes)
- Water jacket design enables even heating within the vessel
- Fully controlled stirrer with variable speeds and enhanced magnetic coupling w/o seals or shafts
- PT100 controlled temperature probe for agar & surrounding water jacket
- Easy vessel access - no bolts or tools required
- Multiple purpose (media sterilizer, bench top autoclave and stable water bath)
- Timer function enabling Agar pouring at work start
- Unique atmospheric pressure measure and boiling point correction for reliable sterilisation

ENHANCED WORK FLOW

VOLUMES	9 liters of media are ready to dispense in max. 1 hour
SPEED	Enhanced surface heat exchanger. (9 L cools from 121°C to 50°C in ~ 20 minutes only)
MONITORING	Temperature monitoring & pressure control during full process (PT100 probe)
MEASUREMENT	Measurement & display accuracy of 0.1°C
AUTOMATION	Fully automatic heating, sterilizing, cooling with counter pressure for boiling retardation and temperature stabilisation

CONVENIENCE

PROGRAMMING	Multiple storable programs for each mode of operation
SOFTWARE	Intuitive intelligent software, accessible via a convenient touch screen Multilingual software
VESSEL	Easily removable inner vessel and automatic self-cleaning cycle simplify clean up
ADDITIVES	Extra large, separate sample addition port for addition of large volumes of supplements

MECHANICAL AND ELECTRONICAL SECURITY FEATURES

SAVETY	Mechanical pressure gauge, operating independently of the power supply
AUTO LOCK	Auto-lock of outer safety lid with bolt catch, no lid opening during operation possible
PRE TEST	Pre process pressure test, preventing from operation start before proper vessel seal Automatic initialisation and execution of a self-test.
PRESSURE	Pressure sensor and pressure valve prevent overpressuring the vessel
THERMOSTATS	Safety thermostats protect against overheating
PRESSURE PUMP	Pressure pump preventing flash boiling during cool-down. Front load for air filter
CERIFICATION	CE certified

OPERATED BY MEANS OF A TOUCH SCREEN!

TOUCH SCREEN	Program data, parameters and operating states are displayed clearly and understandably on an easy-readoff, backlit graphic display. Entries are made via touch keys (soft keys) and a numeric keypad. Backlit graphics display for easy readoff. Operator prompting in German or English, freely selectable by the user. Self-monitoring of all device functions (motors and switches). Connection facility for a higher-level host PC.
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APPLICATIONS

Healthcare and diagnostic labs
Food Research and quality assurance labs
Agriculture research and quality assurance labs
Universities
Pharma and biotech- industry
Veterinary diagnostic labs

ORDERING INFORMATION

ProfiClave 10

ProfiClave, **fully automated bench top Agar/Media Preparator**,
for fastest processing of 0.5 – 9l ready to dispense Agar/Nutrient-Medium.

Offering 20 programmes of which each is selectable for single or double heating cycles, autoclave mode or heating mode (water bath). Intuitive software accessible via touch screen. Build in enhanced surface heat exchanger for fastest cool down process. Start timer and dispense temperature timer for temperature stabilisation up to 99hours. Unique atmospheric pressure measure and boiling point correction for reliable sterilisation temperature (+/- 0.1 °C).

Complete with stainless steel cuvette, build in pressure pump against flash boiling, extra strong magnetic stirrer, sterile filter for pressurization, build in protocol printer and.

Versions

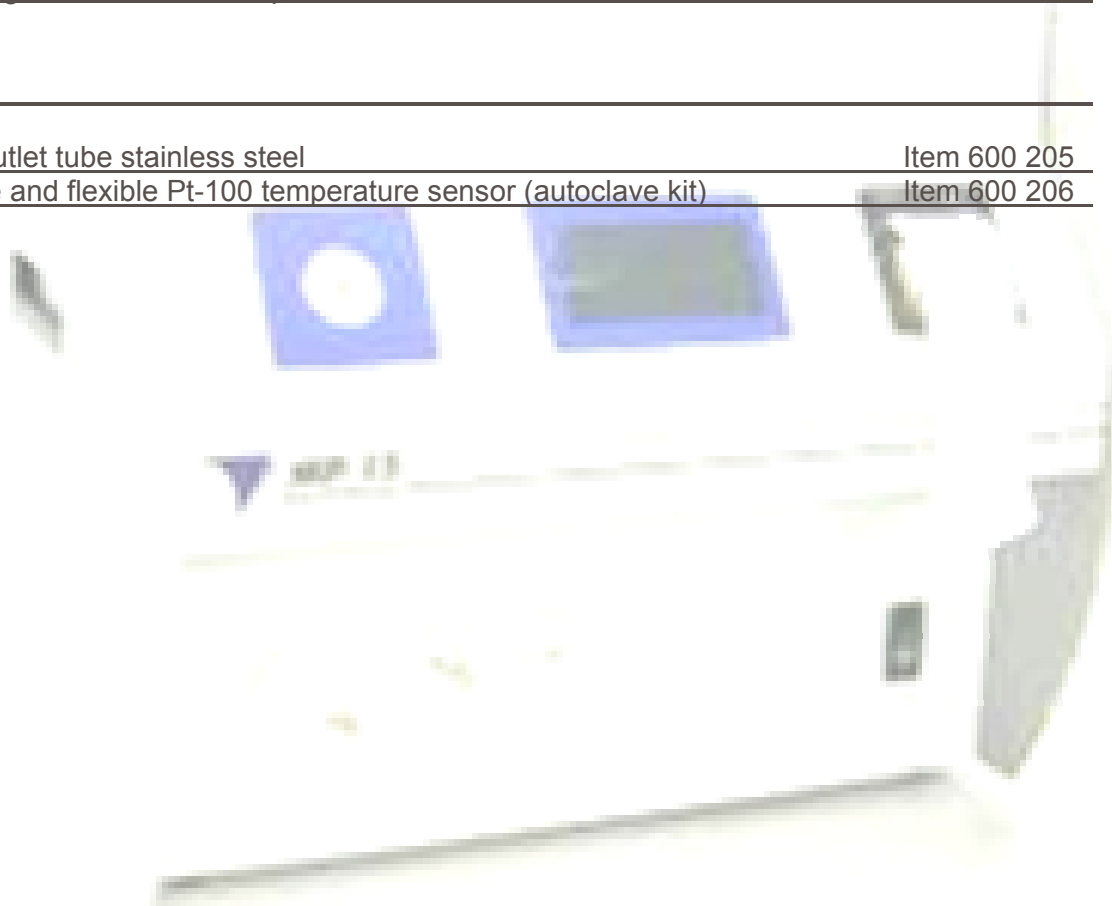
ProfiClave, 1x230 VAC,	LNE (EU),	complete version	Item 600 001
ProfiClave, 3x400 VAC,	3LNE (EU),	complete version	Item 600 002
ProfiClave, 2x240 VAC (2x120),	2LE (USA,UL)	complete version	Item 600 003
ProfiClave, 1x200 VAC,	LNE (JAP),	complete version	Item 600 004

Each ProfiClave complete version consists of

1 Stainless steel cuvette 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 / (reorder is 5 Rolls per pack)	Item 750 170
1 Decanting tube, silicone, complete	Item 600 204

Options

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



TECHNICAL DATA

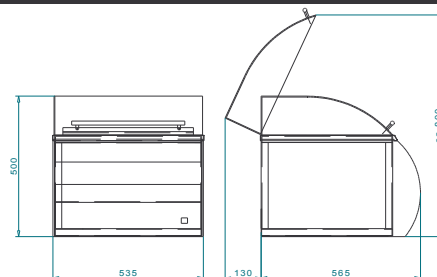
(subject to technical modification)

Electrical data

Parameter	Value	Remarks	
Supply voltage: mains voltage	230 VAC +/- 10% 3*400VAC +/- 10%	50/60 Hz 50/60 Hz	
Power consumption 230 VAC	3.5kW	Max. operation	
Power consumption 3*400VAC	3.5kW	Max. operation	
Mains fusing internal:	230VAC 3*400VAC	3*6AT 1*16AT	Connection with power cord

Mechanical data and environment

Parameter	Value	Remarks
Dimensions W x H x D	535 * 500 * 565 mm	720 * 600 * 720 packed, cust. 8410.2010
Weight	53.8 kg / 67.8 kg	Net / incl. packaging
Ambient temperature	+5°C to 40°C	
Water connection	¾ inches	
Water bath capacity	5 L	
Accuracy of sterilisation temperature displayed	0.1°C	
Quality of steel used	1.4301	
Water tubing	1.5m ¾ Inch	With standard thread
Maximum pressure of cooling water	4 bar	
Water quality (coupling medium)	Distilled or deionised water	
Cooling water quality	Water hardness < 21 (German) or 20 (French)	
Cooling water temperature	5-25°C	



Software parameters

Parameter	Value	Remarks
Sterilisation programmes	20	
Autoclave programmes	20	
Water bath programmes	20	
Pressureless Sterilisation	Yes	On each program individually
Blood Agar (Sterilisation and cooking)	Yes	On each program individually
Sterilisation temperature	70 – 122°C	
Sterilisation time	1 – 120 Min	
Max dispensing time	300 Min	
Stirrer Speed	20 – 200 rpm	Variable
Printer	Yes	Print cycle 15 Sec to 10 Min
Unit of measure	°C	
Graphic display	240 x 128 pixels	with LED backlighting
Touch	Yes	
Interfaces	RS232	Connection to host

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