

ProfiClave 10

The ProfiClave 10 is a fully automatic table steriliser, producing up to 9 litres of liquid nutrient media. It has an intelligent software (operator language can be German or English) and touch screen making operation simple- almost self-explanatory.

Together with the Petri dish filling systems PetriSwiss or Classic Line, the ProfiClave is the complete solution for setting nutrient media.

Automatic nutrient media sterilizer, complete with stainless steel cuvette

- Content: 0.5-9 litres
- Microprocessor-controlled temperature and pressure for optimal sterilization results and fast cycle times.
- 20 Customer Specific culture media sterilization programs
- Special programs for the production of blood agar and for the preparation of thermally sensitives
- Autoclaving mode
- Water Mode
- Cleaning program
- Maintenance-free magnetic stirrer with variable stirring speeds and stirring monitoring function
- Documentation printer with "Easy-Load"
- Programmable start time
- Low contamination touchscreen

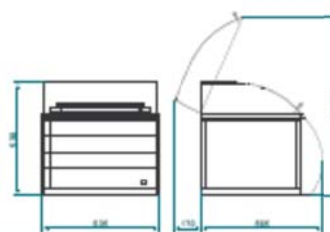


Technical data

(subject to technical modification)

Electrical data

| Parameter | Value | Remarks |
|---------------------------|----------------------------|---------------------------------|
| Mains voltage Europe | 1 x 230 VAC +/- 10% 14 A | Mains fusing internal: 1 x 16 A |
| Mains voltage Switzerland | 3 x 400 VAC +/- 10% 4,6 A | Mains fusing internal: 3 x 6 A |
| Mains voltage USA | 2 x 120 VAC +/- 10% 15,4 A | Mains fusing internal: 2 x 16 A |
| Mains voltage Japan | 1 x 200 VAC +/- 10% 16 A | Mains fusing internal: 1 x 20 A |
| Power consumption | 3200 W | Max. operation |



Mechanical data and environment

| Parameter | Value | Remarks |
|-----------------------------------|---------------------------------------|--|
| Dimensions W x H x D | 535 * 530 * 565 mm | 750 * 700 * 840 packed, custom no. 8410.2010 |
| Weight | 53.8 kg | 70.8 kg packed on mini palett |
| Water connection | 3/4 inches (waste, colling, DI water) | With standard thread |
| Capacity | Total 12L, Vessel 10L, Waterbath 5 L | |
| Accuracy of temperature | 0.1°C resolution, ± 0.5°C | |
| Material Quality | Steel 1.4301 | |
| Maximum pressure of cooling water | 4 bar | 1.8l/min consumption while cooling |
| Water quality (convection medium) | Deionised water | |
| Cooling water quality | < 21° (German) or < 20° (French) | 5-25°C temperature |
| Timer | selectable timer 0 min - 24 hours! | Automatic programm start |

Software parameters

| Parameter | Value | Details |
|-------------------------------------|-------------------------------|-----------------------------------|
| Programmes | 20 on each function, total 60 | all process parameters selectable |
| Pressureless Sterilisation at 100°C | Yes | on each program individually |
| Blood Agar (double cycle) | Yes | On each program individually |
| Sterilisation | 70 – 122°C | 1 – 120 Min |
| Max dispensing time | 300 Min | |
| Stirrer Speed | 45 – 230 rpm | Variable, selectable on each step |
| Printer | Yes | Print cycle 15 Sec to 10 Min |
| Graphic display | 240 x 128 pixels | with LED backlighting |
| Touch screen | Yes | |
| Interfaces | 3 x RS232 | 1 in Instrument front |

Process Data

| Parameter | Value I / small volume | Value II / large 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 |