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BIOTOOL **PROFICLAVE PCX**



Easy to use
intuitive software



Sophisticated design
simplified handling

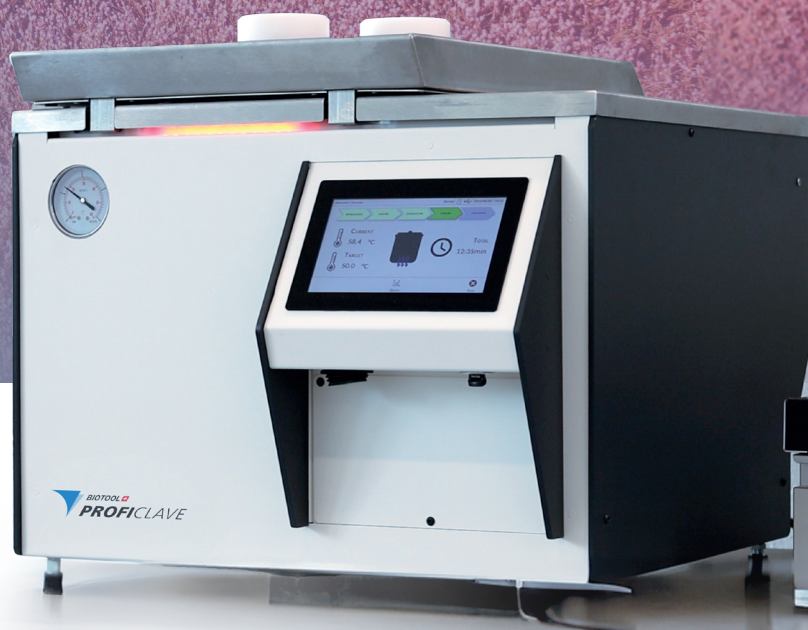


Time-saving
powerful heating & cooling



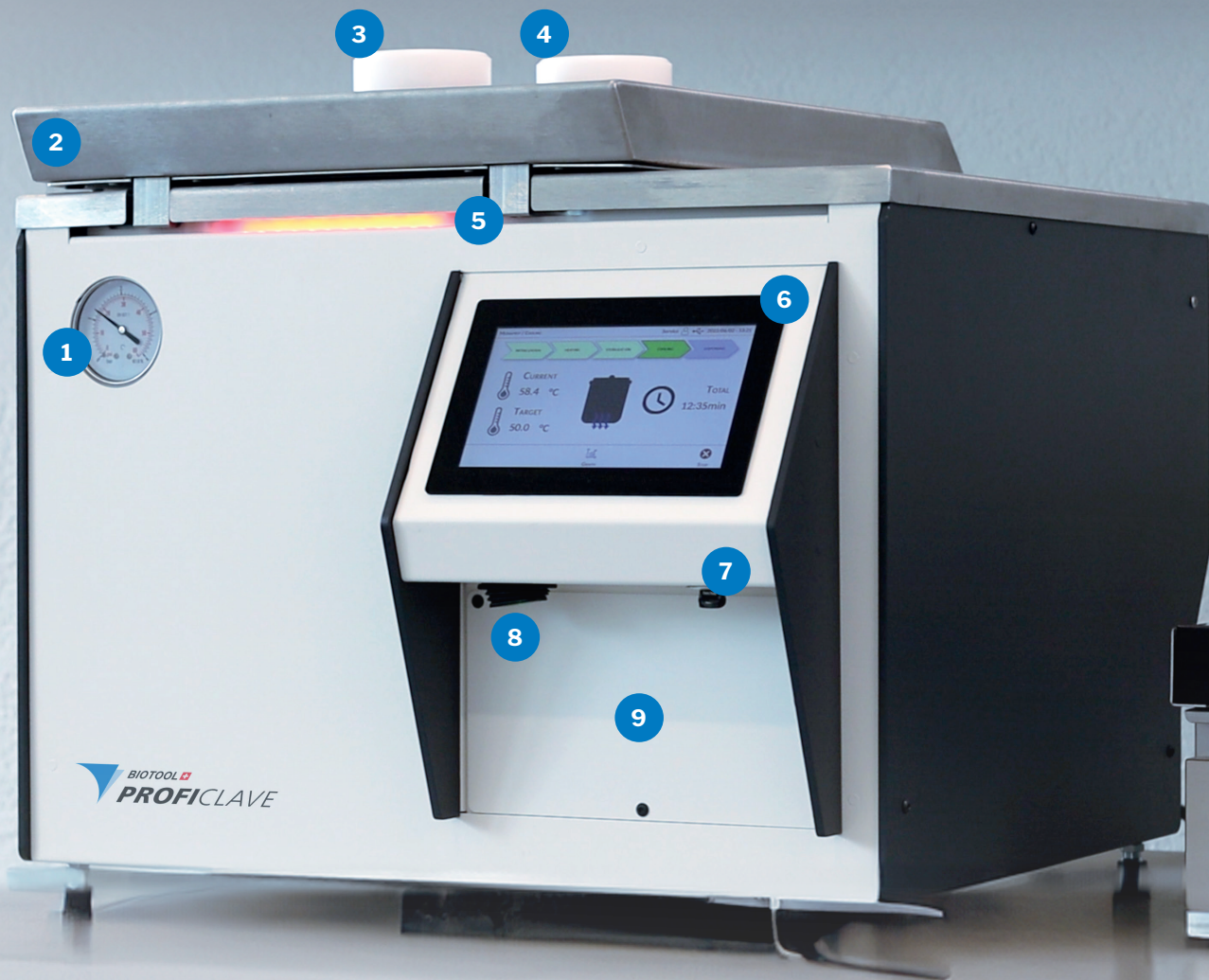
Economical
less waste – down to the last drop

SIMPLIFYING CULTURE MEDIA PREPARATION.



**PRODUCT VIDEO,
SPECS & PDF DOWNLOAD
[BIOTOOLSWISS.COM](https://www.biotoolswiss.com)**

BIOTOOL
PROFICLAVE PCX



1 Manometer

2 Insulated device cover

3 Dispense port

4 Adding port

5 Status LED bar

6 Touch screen display

7 USB data port

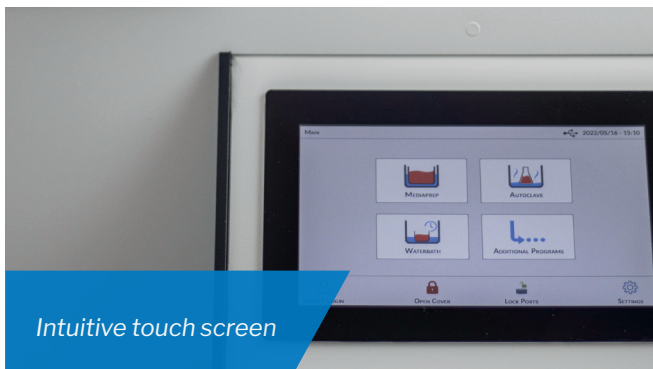
8 Main switch

9 Module cover
(printer / options)

« Our ProfiClave offers a unprecedented space-saving system to simplify and speed up culture media preparation. »



Josef Nicola Macaluso
Founder & CEO



Intuitive touch screen



*pressure cover with
snap-in safety
latch*



*Extra port for addi-
tional additives*

Simplified process handling

Designed for ease-of-use, operation of the PCX is via a large integral screen using a suite of icon-based software that guides you intuitively, with onscreen support, through the culture media preparation process.

Designed for ease-of-use, the PCX is operated via large touch screen using a suite of icon-based software. Throughout the culture media preparation process, the user is guided via intuitive on-screen support.

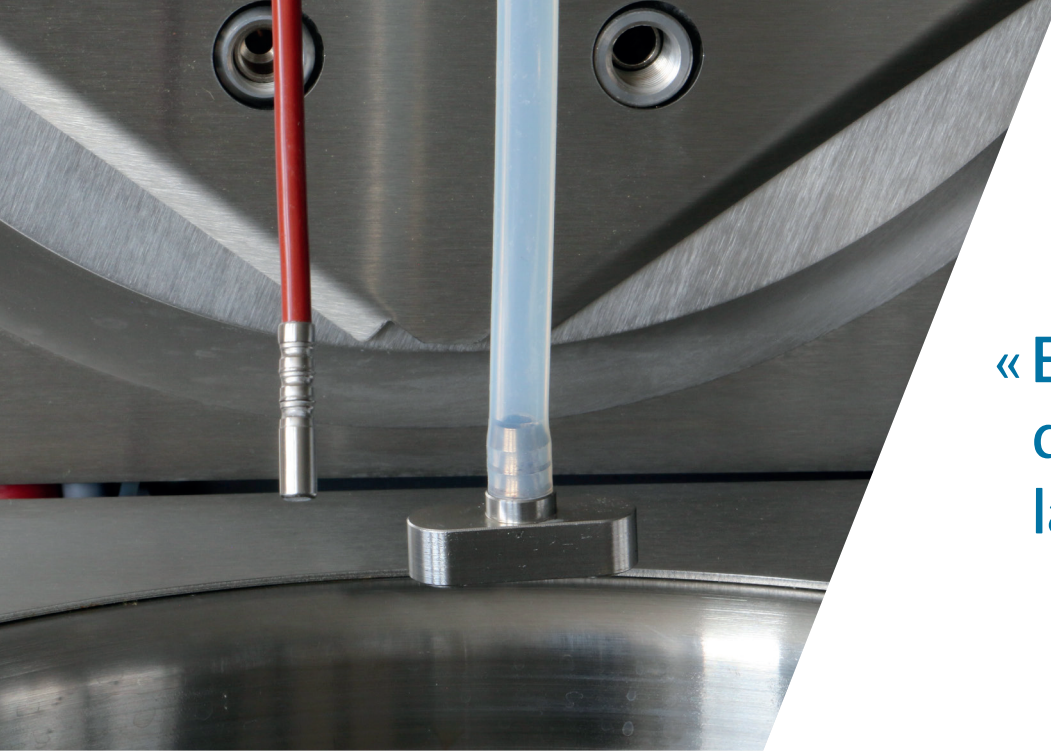
The PCX software guides you logically through the starting procedure. All operating conditions are automatically checked to ensure the culture medium is effectively mixed, heated, sterilized, and quickly cooled to the desired filling temperature right from the start. For the filling process, the medium is kept stable at the selected filling temperature.

At the heart of the PCX is new thermal boiler heating technology that delivers energy-efficient production and an innovative pre-sterilized auto-lock hose connection minimizing connection time to your media filler while maintaining a contamination-free environment.



- 10 Power connector plug
- 11 RS232 interface
- 12 CAN connector
- 13 Ethernet connection
- 14 Electronics cooling fan

- 15 Sterile filter set
- 16 Pressure safety valve
- 17 Drain (air / water / steam)
- 18 Cooling water inlet
- 19 Flow regulator for cooling water



« Economical –
down to the
last drop. »

Increased contamination safety

The PCX unlocks the lid when the filling temperature is reached, and the pre-sterilised auto-lock hose connection only needs to be connected (click closure).

The connection seals itself without screw connection or additional fuse. This innovative pre-sterilised auto-lock hose connection minimises the connection time to your media filler while maintaining a contamination-free environment.

The PCX can also be used to for autoclaving / sterilisation of small objects and liquids in separate containers, or as a heating bath for maintaining temperature conditions in media.

The PCX is designed to be economical down to the last milliliter of your culture media, with the sampling tube automatically centering itself at the lowest point of the cuvette.

« Innovative
auto-lock »





« The ProfiClave PCX sets new standards for automated sterile culture media preparation. »

Operator safety was paramount in the design of the PCX.

The pressure vessel closure is automatic and is temperature and pressure dependent. Additional mechanical latches secure the unit even in the de-energized state.

The medium feed and discharge ports are automatically locked against opening when hot or pressurized. Unintentional opening is not possible.

The ProfiClave PCX sets a new standard for simple, sterile automated culture media preparation

and reproducible filling and stacking of Petri dishes with agar.

The ProfiClave PCX is ideal to be connected to all BioTool Petri-Dish Filling Instruments from the PetriSwiss® series, TubeFiller, DosiPump or any other brands of media filler.

When filling agar or buffer in storage bottles, the use of the optional DMX pressure dispensing module from BioTool is recommended.



Space saving design

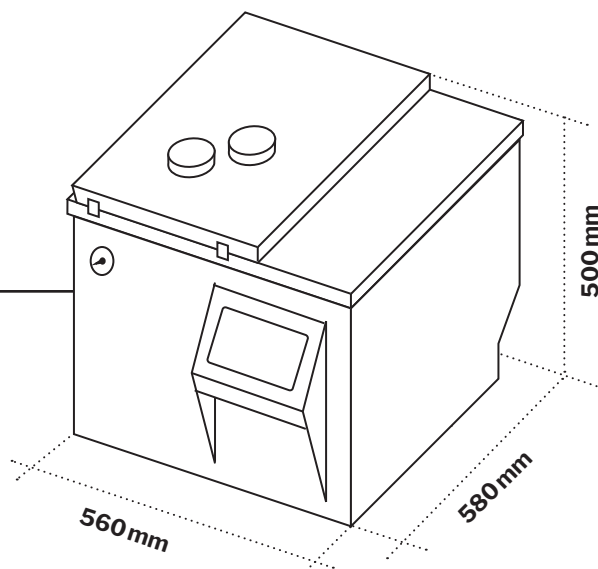


PetriSwiss PS200 Flex and ProfiClave Combo

PROFICLAVE PCX

DIMENSIONS (H x W x D)

Size	cover closed	50 x 56 x 58 cm
	cover opened	83 x 56 x 58 cm
Weight		64 kg



TECHNICAL DATA

Harvest volume up to 15.5l
(1000 dishes - 15ml)

Residual Volume < 0.20l

Process Performance:
10l @ 15min/121°C: 60-70 min

Sterilization temperature 80-122°C

Temp. Accuracy +/- 0.5 °C (resolution: 0.1 °C)

Max. process pressure 1.8 bar

Programs >100, 4 access levels
(password)

Modes (3) Mediaprep
Autoclave
Agar Mel-
ting

Quality of stainless-steel

Housing: 1.43301
Media contact: 1.4404

Cooling Water 5 – 30 °C, 0.8 – 5 bar

Coupling water min. Type III Grade

Water connections 3/4"

Mains C20 cable connection 16A

Power consumption max. 3500 W

Operating voltage* AC 200-240 V ~ 50/60 Hz

*The power supply voltage tolerance is +/- 10 %



Caution: The protective earth (PE) is required for all countries worldwide!

INCLUDED ITEMS

1000400	PCX Media Preparator	1	1000622	Drain sieve, fine mesh steel	1
1000464	Medium vessel (cuvette)	1	1001729	Auto-centering decanting tube	1
1000512	Magnetic Stirrer	1	1000446	PT 100 temperature sensor	1
1000615	Quick connector for media extraction	1	1001787	Mini USB Data Stick	1
1001791	Auto lock septum port	2	–	Water connection Hoses (cooling & drain)	1
1001714	Sterile quick connector filter set	1	–	Power cord	1



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