

PLATIUM 9000-Autoclave

The „Small One“ with 24 relays

With this control system different process runs can be pre-programmed for autoclaves. It offers the possibility to store processes working acc. to time, core temperature or acc. to F-value with or without certain DELTA T specifications in 45 (70) different programs, which comprise 30 steps in each case and to start them directly and temporally delayed. The gradients (start and final values) for operation and core temperature, as well as for the autoclave pressure are freely programmable. In this connection should be particularly remarked that by choosing a special for this purpose developed program the autoclave pressure is automatically adapted to the actual operation temperature. During the program flow the remaining working time can be modified for the current process.

In case of power breakdown the actual data will be stored. After tension resetting the system continues at the interrupted program position. Further supervision criterions are: operation temperature, core temperature probes, pressure sensor, pressure for compressed air and steam. Furthermore all program parameters are constantly tested by parallel balance.



Application Area:

As retrofit equipment for existing autoclaves. As control system for

- new installations.
- stationary autoclaves
- rotary autoclaves
- sterilization equipment

Unit dimensions:

width: 340 mm (260 mm)
height: 260 mm (340 mm)
depth: 85 mm (85 mm)

Operation panel:

Front cover out of plastic with 17 push buttons with imprinting, 1 LCD display for indication of all necessary data for handling and operation. The dialog is in any customer's language available.

Low voltage section:

Logic board with CPU-attachment, plug-in positions for RAM and Flash-E-PROM, as well as a current loop interface for measuring data recording and an interface RS 232 for communication with a PC, provided with a five pole plug for analogue outputs.

High voltage section:

Relay circuit board with 24 relays, 24 RC elements, optocoupler and plug board for outwards wiring.

Power supply:

Separate, transformer installed on a special mounting plate and circuit board with mains filter and strip terminal for wiring with the relay circuit board and the mains.

Input: 230V AC
Dimensions: Width: 120 mm
Length: 160 mm
Height: 80 mm

Power supply voltage: 230V AC
Input: Control voltage
3 probes PT-100 single phase
2 optocoupler220V

Output: 24 relays
No. of Programs: 45 (70)

No. of Steps: 30 (20) per program
Options: add. 5 probe inputs
add. 6 optocouplers
add. 8 relay out puts
add. 2 RS232 interfaces

Planning strategy Expert Advice Evaluation Project Set-up Control System Measuring Data Logging



We don't have problems; we just create new learning situations.



Generalities:

Time of Delivery: approx. 4 weeks after order placing. Test installation for three months at site is possible acc. to separate offer. We optimize existing programs by application of special technologies in order to avoid unnecessary weight losses and to improve product quality.

Simultaneously we take care of power save functions to reduce current energy costs.

The E&B control systems have worldwide been applied nearly at all in the market available smoke and cooking installations: in Switzerland, Germany, Austria, Hungary, Slovenia, Russia, Sweden, Finland, Netherlands, Belgium, France, Spain, Croatia, China, Taiwan, USA, Canada, Alaska, Japan, Australia, Trinidad

The control system is thanks to the dialog handling most easily operated.

The High Lights

Reduction of energy costs
Reduction of weight losses
Reduction of production risks

Installation at all worldwide existing brands
References all over the world

Control and regulation of pH-value
Degree hour value
Weight loss recording
Regulation of exhaust air volumes

Energy optimised cooking processes
F-value regulation and C-Value control
Control according to different core temperature probes
Supervising of core temperature regulation with second probe

Recirculation air regulation according to humidity
Enthalpy regulation
Intelligent heating regulator

Personnel identification

Most modern Data recording
Program management at the PC
Failure transmission (transfer) via e-mail and SMS

Service net all over the world
24 months guarantee



PLATIUM 9000-Tumbler

The „Small One“ with 24 relays

With this control system different process runs can be pre-programmed for tumblers. This offers the possibility to store processes working acc. to time or acc. to a certain forced propagation with or without time interval in 45 (70) different programs, which comprise 30 (20) steps in each case and to start them directly and temporally delayed. The set-points for the rotational speed of the tumbler as well as for the vacuum are freely programmable from 0 – 100 %. During the program flow the remaining working time can be changed. The control system provides an outside temperature control to supervise the ambient temperature; in case of an error an alarm signal will be given. In case of power failure the actual data will be stored. Furthermore all program contents are constantly tested by parallel balance.

Application Area:

As retrofit equipment for existing of tumblers.
As control system for new installations.

Dimension of the unit:

width:	340 mm (260 mm)
height:	260 mm (340 mm)
depth:	85 mm (85 mm)

Operation panel:

Front cover out of plastic with 17 push buttons with imprinting, 1 LCD display for indication of all necessary data for the operation control. The dialog is in any customer's language available.

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Front cover out of plastic with 17 push buttons with imprinting, 1 LCD display for indication of all necessary data for the operation control. The dialog is in any customer's language available.

Low voltage section:

Logic board with CPU-attachment, plug-in positions for RAM and Flash-E-PROM, as well as a current loop interface for measuring data recording and an interface RS 232 for communication with a PC, provided with a five pole plug for analogue outputs.

High voltage section:

Relay circuit board with 24 relays, 24 RC elements, optocouplers and plug board for outwards wiring.

Power supply:

Separate, transformer installed on a special mounting plate and circuit board with mains filter and strip terminal for wiring with the relay circuit board and the mains.



Input:

230V AC

Dimensions:

Width:	120 mm
Length:	160 mm
Height:	80 mm

Power supply voltage:

230V AC

Input:

Control voltage
3 probes PT-100 single phase
2 optocoupler 220V

Output:

24 relays

No. of Programs:

45 (70)

No. of Steps:

30 (20) per program

Options:

add. 5 probe inputs
add. 6 optocouplers
add. 8 relay out puts
add. 2 RS232 interfaces

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The control system is thanks to the dialog handling most easily operated.

The High Lights

Reduction of energy costs
Reduction of weight losses
Reduction of production risks

Installation at all worldwide existing brands
References all over the world

Control and regulation of pH-value
Degree hour value
Weight loss recording
Regulation of exhaust air volumes

Energy optimised cooking processes
F-value regulation and C-Value control
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