



JOKER 6-11 with ST module

Hot air unit with fresh steam system 5+1 x GN 1/1

COMPACT COMBI-STEAMER, ELECTRIC

- 8 operating modes for manual cooking
- Program list with 99 program items/9 steps - numerical memory
- ADC - Active dehumidification control in 5 stages
- Display of actual/target temperature and humidity
- Automated cleaning and maintenance notices, including disabling
- Internal core temperature sensor with 4 measuring points
- E/2 energy saving function
- Fresh steam system
- Humidity can be exactly adjusted between 0 and 100%
- Seamless hygienic cooking chamber
- Data and HACCP logging/display
- LED/triple glazing
- 5-step fan speeds with selectable pulsing per step
- Multilingual operating interface
- 7"- MultiTouch display (capacitive) and rotary encoder
- Program manager
- Cleaning - manual cleaning supported
- Step overview
- Special programs Low-temperature cooking, Delta-T cooking, regeneration
- Sound manager
- SPS® - Steam Protection System
- Steptronic®
- Timer function: Input of start and end time
- Drying phase freely selectable
- Quick-action door closure
- Preheating function with default setting
- Supply air/exhaust air

Designation

Combi steamer as per DIN 18866 for automatic cooking and baking of foods, and for regeneration with optional use of steam and hot air individually, one after the other or in combination.

Occupational safety

- Safety temperature limiter for heaters
- Quick-action door latch with robust single-stage mechanics
- Safety door lock with sturdy two-stage mechanism (optional)
- Door with LED lighting and triple glazing with latched position and back-ventilated, pivoting, double glazed inner Thermoreflex glass pane with self-draining condensate drain pan
- Sound signal at end of cooking program
- Automated cleaning and maintenance notices, including locking with customisable appliance shutoff timer
- System to prevent steam being expelled when opening the door at the end of the cooking time
- Hanging racks with anti-tilt protection for Gastronorm pans
- Fan deactivation by contact-free magnetic switch when door is opened
- Password protection, self-test when switching on, self-calibration sequences
- Customer service analysis program

Operation

- Interactive screen menu navigation
- Manual setting and control of the cooking chamber climate accurate to the exact value, temperature (°C/°F), humidity, time, core temperature, pause times
- 8 operating modes for cooking
- Individually set, adjustable operating concept for standardising processes for major customers and chain operators
- Large field display for constant information on operating statuses
- Cooking process information available to be called up and modified at all times without stopping operation

Equipment

- Modular appliance structure for needs-based equipment tailored to customised applications. Exchanging the control variants in a focused/multifunctional perspective is possible.
- Switch between 8 operating modes for cooking without wait times
 - a) Hot air:
Temperature range of 30 to 300 °C, adjustable to the exact degree using touch panel.
 - b) Steam:
Temperature range of 30 to 130 °C, adjustable to the exact degree using touch panel.
 - c) Combi-cooking:
Temperature range between 30 to 300°C exactly adjustable with humidity from 1 to 100% in 5-to-10% steps via touch panel.
 - d) Intensive steam: between 99 to 130°C
 - e) Vario steam: Temperature below 99°C
 - f) Low-temperature cooking
 - g) Delta-T cooking
 - h) Regeneration
- Up to 99 cooking programs, each with up to 9 individual steps, can be saved.
- Immediate start without preheating a steam generator
- Fresh steam system ready at all times with perfectly saturated steam in the cooking chamber for immediate start-up in the selected cooking mode
- Active dehumidification in 5 stages
- Preheating of the cooking chamber to set temperature
- Different options for cooling the cooking chamber to a set temperature
 - a) by opening the door and selecting the fan level manually (default value: level 2)
 - b) with the door closed, using automatic setting for the fan speed with open supply air flap
- Start time settings for cookery programs and weekly program management for cooking, baking and cleaning
- Digitally controlled appliance operation and cooking processes
- Requirement-based energy supply helps save operating costs.
- Cleaning and maintenance notices appear on the display screen in accordance with the set operating hours. If the operating time is exceeded, the device is disabled when it is activated.
- Easily removable, service-friendly operating panel facilitates quick access to important components (e.g. circuit breakers, I-O board, safety temperature limiter)
- The control module can be arranged on the left, right or above the cooking chamber module, readability at a 160-degree angle
- Right- and left-hinged door possible with top control module; with right-hand control module only left-hinged door possible; with left-hand control module only right-hinged door possible
- High-resolution colour monitor with touch technology, display size 7", full-surface glass control unit
- USB, LAN or WLAN (optional) interface for transfer and exchange of reports, programs and sounds. The sound volume is adjustable.
- The internal multi point core temperature sensor with 4 measuring points can be exactly adjusted to a 20 to 100°C temperature range via the touch panel. The core temperature is displayed.
- External multi point core temperature sensor (optional)
- Error correction in case of false core temperature probe readings
- Seamless hygienic chamber with rounded corners
- Easy cleaning and convenient replacement thanks to insertable door seal
- 5-step fan speed with auto-reverse, preset fan pulsing can be selected at each step for gentle cooking
- Special programs, semi-automatic with preconfigured cooking settings, such as low-temperature cooking, Delta-T cooking and regeneration
- Setting and service parameters selectable and adjustable, password-protected, an individual password can also be set.
- Program information input on device (up to 200 characters)
- Program list (alphabetical)
- Steam extraction unit which suctions off the vapours in the device immediately before the end of the program within the system.
- Sensor-controlled waste water cooling system
- Steam damping system to prevent expulsion of steam

- LED lighting integrated into the door
- Integrated, metered hose with spray head, removable, with automatic return mechanism, installed damage-free
- Separate solenoid valves for soft water and hard water up to 30 °C
- Height-adjustable appliance feet, 65mm + 23mm adjustment range (optional)
- Height-adjustable waste water connection, DVGW/SVGW approved (with live steam system and/or fully automatic cleaning)
- Longitudinal slide-in rack with 5+1 shelves, slide-in slot distance 67 mm, for GN 1/1 pans
- Longitudinal slide-in rack with 4+1 shelves, slide-in slot distance 84 mm (optional)
- Easily removable rack and anti-tilt safeguard
- Effective spray water protection equivalent to IP IPX5
- Thermal conductivity 0.04 W/mk
- Insulation as per DIN 4102/A2 to 60 mm
- Free software for generating and managing cooking and baking programs and HACCP data management
- Operation of the fresh steam generator with soft water recommended (see data sheet for specifications)
- The energy saving function facilitates energy saving operation at half power
- Potential-free contact to control third-party appliances (optional)
- Connection to external energy optimisation systems provided by the customer (optional)
- Integrated humidification, available for use at all times during operation
- Integrated symbol explanation

Cleaning, servicing and operational reliability

- Modular equipment: manual cleaning, semi-automatic cleaning or energy- and resource-saving, fully automatic circulation cleaning system supported
- Fully automatic cleaning program with integrated cooling function when the cooking chamber door is closed for immediate readiness for operation
- Fully automatic circulation cleaning system with 5 cleaning programs, including a 15-minute quick cleaning program, with flexible adjustment to the soiling degree and automatic detergent dosing
- Four-stage cleaning process with soaking, cleaning, rinsing and drying
- Start screen for cleaning
- No cleaning, rinsing or draining as required with separate steam generator
- Automatic, exact batching of liquid cleaner and rinsing agent in line with requirement and with no skin contact
- Circulation cleaning system for perfect cleaning of the whole cooking chamber, even behind the air baffle
- Safety rinsing in case of program stop or power failure
- Freely selectable drying phase
- The drying phase can be interrupted at any time during the cleaning operations
- Standby on completion of cleaning and wait mode (15 min)
- Batching pumps with conveying distance of max. 10 metres and suction hoses 2 metres each in length with foot valve
- Empty warning indicator for canisters of cleaner/rinsing agent on the display screen
- Cleaning and logging as per HACCP / LMHV
- Health protection due to automatic spraying of cleaner
- Automatic water filter status monitoring

Options

- Top control module with right- or left-hinged door
- Left-hand control module with right-hinged door, or right-hand control module with left-hinged door
- Safety door latch
- Electric door latch
- External core temperature probe
- Special voltages for different regions and applications
- Energy optimisation connection as per DIN 18875
- Connection of potential-free contact to control third-party appliances (e.g. extractor hoods)
- LAN
- WLAN
- Design module back wall
- Design module tray (only with left- or right-hand control module)
- Design module appliance colour
- Condensation hood (also available for retrofitting)
- Combination of devices with and without condensation hood
- Height-adjustable appliance feet, 65mm + 23mm adjustment range

Scope of delivery for cleaning

A basic supply of cleaning agents, suitable for the device requirements, must be provided with delivery:

- 1 canister liquid cleaner, approx. 5 l
- 1 canister rinsing agent, approx. 5 l

Technical data

Operating modes

Convection	temperature: 30 to 300 °C
Steaming	temperature: 30 to 130 °C humidity: 1 bis 100%
Combination	temperature: 30 to 300 °C humidity: 1 bis 100%
Intensive steaming	temperature: 99 to 130 °C
Vario steaming	temperature: below 99 °C
Low temp cooking, Delta-T cooking, Regeneration	

Water supply: 2x G 3/4" A / d 1/2"

Water drain: DN 40
Flow pressure: 2- 6 bar

Maximum water flow

Soft water	
Without cleaning:	0.3 l/min
With hose spray nozzle:	0.3 l/min
With autoclean® PRO:	0.3 l/min

Hard water	
Without cleaning:	6.8 l/min
With hose spray nozzle (at 4 bar):	4.8 l/min
With autoclean® PRO:	6.8 l/min

Electrical connection data

Voltage:	380V ... 415V 3 N AC
Power requirement at 400V:	7,7 kW
Rated current at 400V:	11,2 A
Fuse protection:	3 x 16 A
Spray water protection:	IPX5
Latent heat: approx.	3,0 MJ/h (0,8 kW)
Sensitive heat: approx.	2,1 MJ/h (0,6 kW)

Dimensions

Capacity:	5+1 x GN 1/1
Insert direction:	lengthways
Insert spacing:	67 mm
Number of meals per day:	approx. 50
Width	Control on top: 520 mm Control right / left: 650 mm
Depth:	805 mm
Height	Control on top: 693 mm Control right / left: 560 mm

Material, inside / outside: 1.4301 18/10

Waste water connection

Without cleaning:	External siphon/connection
With hose spray nozzle:	External siphon/connection
With autoclean® PRO:	Permanent connection
Type:	DN40 (min. inside dia.: 36 mm) for permanent connection
Drain line gradient:	min. 3%

Weight: approx. 83 kg
Specific cooking chamber volume: approx. 96 l

Approvals/test markings



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