

## Universal oven "pass-through version"

### Model UFP 800 TS



### Standard equipment

#### Ventilation and Control

- forced air circulation by quiet air turbine adjustable in 10% steps via process controller, for each segment individually
- adjustment of pre-heated fresh air admixture by air flap through process controller in 10% steps for each segment individually
- vent connection with restrictor flap
- adaptive, fuzzy-supported, multifunctional, digital microprocessor PID-controller
- autodiagnostic system with fault indication
- 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
- digital 7-day-programme-timer with real time clock, precise minute setting, for one set value or start of ramp operation
- integrated timer for tempering profiles of up to 40 ramps, each segment adjustable from 1 min. up to 999 hours
- multifunctional programming via menu on 8-digit alphanumeric digital display (language to be chosen via set-up):  
tempering profiles of up to 40 ramps  
time- and set-point dependent operation  
air flap adjustable in 10% steps  
speed of air turbine in 10% steps
- digital display (LED) of all set parameters, such as temperature, weekdays, time, fan speed, air flap position, programme status and set-up values
- resolution of display for set value 0,1 °C below 99,9 °C, 0,5 °C above 100 °C; for actual value 0,1 °C
- long-term logging (ring store) of all relevant data, GLP-conforming as data logger - 1024 kB
- programme stored on power failure
- parallel printer interface (incl. real-time clock with date function) for printing logging files, suitable all PCL3-compatible ink-jet printers (USB available via converter, see accessories)

- serial interface RS 232 including MEMMERT Software "Celsius" for programming and documentation
- chip card control incl. one MEMoryCard XL with 32 kB (up to 40 ramps)
- incl. works calibration certificate for +160 °C

#### Multiple Overtemperature Protection

- with audible and visual alarm
- digitally adjustable, electronic microprocessor overtemperature controller TWW protection class 3.1 - maximum value for overtemperature - minimum value for undertemperature
- additional integral over- and undertemperature monitor "ASF" (Auto-Safety-Function) automatically following the setpoint value at a preset tolerance range; audible alarm is activated in case of over- or undertemperature, heating is switched off in case of overtemperature
- resolution of display and setting accuracy: 0,5 °C below 99,9 °C, 1 °C above 100 °C
- mechanical temperature limiter TB protection class 1 switching the heating off at approx. 10 °C above max. oven temperature

#### Textured Stainless Steel Casing

- w x h x d: 1190 x 1482 x 710 mm (without door handle)
- fully insulated stainless steel doors on front and back side
- pass-through type
- mounted on feet

#### Interior - Heating Concept

- w x h x d: 1040 x 1200 x 600 mm, 749 l
- easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
- 2 stainless steel grids

**Temperature Range**

- from +30 °C (however, at least 10 °C above ambient) up to +220 °C

**Voltage / Power Rating**

- 400 V (+/- 10%), 3 phases N, 50/60 Hz
- ca. 4.800 W (during heating)
- adaption of effective heating power depending on the set temperature

**Packing Data**

- net weight approx. 180 kg
- gross weight carton approx. 248 kg
- dimensions approx.:  
carton w x h x d: 132 x 184 x 91 cm
- the appliances must be transported upright

**Customs Tariff Number**

- 8419 8998

**Country of Origin**

- Federal Republic of Germany

**WEEE-Reg.-No.**

- DE 66812464

**Accessories**

- Flow meter for N2 gas T1
- Lockable castors (drwg. D10680 - height of casing 1620 mm) T2
- Lateral entry port - height 23 mm / width individual T3
- Flexible Pt100 for positioning in chamber or load with the socket in the front control panel, 4-pin H4

according to NAMUR NE 28 for external temperature recording (load temperature)

- Potential-free contact (24V/2A) for combined fault message (e.g. supply failure, sensor fault, fuse) H6
- Full-sight glass door (triple-insulating glass) for series UN/UF (extra) B0
- Perforated stainless steel shelf E0(x)
- Stainless Steel Grid E3(x)
- IQ check list with works test data for oven as support for validation by customer Q1
- OQ check list including one free-selectable temperature distribution survey to DIN 12880: 2007-05 (size 200/300: 9 measuring points, size 400-800: 27 measuring points) with works test data for oven as support for validation by customer Q2
- Software conforming to FDA "Celsius FDA-Edition" for up to 16 units Q3
- Oven-linked authorisation card (User-ID-Card) - prevents undesired manipulation by unauthorised third parties V1
- Computer interface RS485 (for networking a maximum of 16 ovens) instead of interface RS232 V2
- Temperature profile write/read unit for programming via PC, for writing to and reading from the chip card, up to 40 ramps V3
- Additional chip card, blank, formatted (32 kB MEMoryCard XL for a maximum of 40 ramps) V4