

Universal oven

Model UFE 800



Standard equipment

Ventilation and Control

- forced air circulation by 2 quiet air turbines, adjustable in 10% steps via process controller
- continuous adjustment of pre-heated fresh air admixture
- vent connection with restrictor flap
- fuzzy-supported PID microprocessor controller with integrated autodiagnostic system with fault indication
- solid state switching unit
- 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 ramp operation in combination with:
- integrated digital timer for tempering profile with max. 4 segments, each segment adjustable from 1 min to 999 hours:
DELAYED ON
HEATING UP
HOLD or HOLD set-temperature-dependent with guaranteed holding time
COOLING DOWN
- "Loop" function to repeat profile 1-99 times or endless
- digital display (LED) of all set parameters, such as temperature, weekdays, time, fan speed, ramp segments and set-up values
- resolution of display for set value 0,5 °C; for actual value 0,1 °C below 99,9 °C, 0,5 °C above 100 °C
- long-term logging (ring store) of all relevant data, GLP-conforming as data logger - 1024 kB
- serial interface RS 232 including MEMMERT Software "Celsius" for programming and documentation
- incl. works calibration certificate for +160 °C

Triple Overtemperature Protection

- in case of overtemperature due to failure, the heating is switched off at approx. 10 °C above the set temperature (fixed value)

- independently working, digitally adjustable electronic overtemperature controller TWW protection class 3.1
- 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 1620 x 750 mm
- fully insulated stainless steel doors with double locking and 4-point adjustment
- rear zinc-plated steel
- mounted on lockable castors

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 +250 °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 3990

Country of Origin

- Federal Republic of Germany

WEEE-Reg.-No.

- DE 66812464

Accessories

- Temperature range +300 °C for universal ovens (not available for ovens with glass door)

A0

- Perforated stainless steel shelf

E0(x)

- Stainless Steel Grid (for good air circulation)

E3(x)

- Interface USB instead of interface RS232

W3

- 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