

Universal oven

Model UFE 400



Standard equipment

Ventilation and Control

- forced air circulation by quiet air turbine, 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: 550 x 680 x 480 mm
- fully insulated stainless steel door with double locking and 4-point adjustment
- rear zinc-plated steel

Interior - Heating Concept

- w x h x d: 400 x 400 x 330 mm, 53 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

- 230 V (+/- 10%), 50/60 Hz
- ca. 1.400 W (during heating)
- adaption of effective heating power depending on the set temperature

Packing Data

- net weight approx. 40 kg
- gross weight carton approx. 48 kg
- dimensions approx.:
carton w x h x d: 67 x 78 x 63 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	• Interface USB instead of interface RS232	W3
• Perforated stainless steel shelf	E0(x)	• IQ check list with works test data for oven as support for validation by customer	Q1
• Stainless Steel Grid (for good air circulation)	E3(x)	• 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