



Product Specification Sheet

Universal Oven

Model UF 55 Plus (Twin DISPLAY)



Ventilation and Control

- Forced air circulation by quiet air fan, adjustable in 10% increments via process controller
- Continuous adjustment of pre-heated fresh air admixture
- Vent connection with restrictor flap, adjustable in 10% increments via process controller
- 2¼" Air exhaust tube, located in rear of unit
- 2 PT100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over functions in case of error
- Digital timer, adjustable between 1 minute and 99 days, 23 hours
- Set point WAIT function guarantees process time does not start until set temperature is reached at all measuring points

- “Loop” function to repeat profile 1-99 times or unlimited
- Digital display (LED) of all set parameters, such as temperature, air flap, timer, and fan
- Setting temperature accuracy up to 99.9C: 0.1C and above 100C: 0.5C
- Internal data logger with a storage capacity of at least 10 years
- Ethernet interface on the rear of appliance for reading out the protocol log and for uploading and implementing programs and for online logging
- Includes works calibration certificate for +160C
- Control COCKPIT for operation and adjustment of all parameters
- Adjustment of three calibration values for temperature and additional appliance specific parameters directly at the Control COCKPIT (Ex. Relative humidity)
- Heat BALANCE function for application specific adjustment of heat output distribution (balance) between the upper and lower heating groups in an adjustment range between -50% and +50%
- Control COCKPIT with USB port for uploading programs, reading out protocol logs, activating the User-ID function
- Display of already logged protocol data on the Control COCKPIT (max 10,000 values correspond to approx. 1 week)
- Versatile menu functions such as language settings, time zones, and daylight saving time as well as the choice between Celsius and Fahrenheit.
- High-temperature connectors on the rear of the appliance for single-phase power connection according to country specific systems and IEC standards
- AtmoCONTROL software supplied on USB stick that offers a multitude of possibilities for programming and documentation

Multiple Over- Temperature Protection

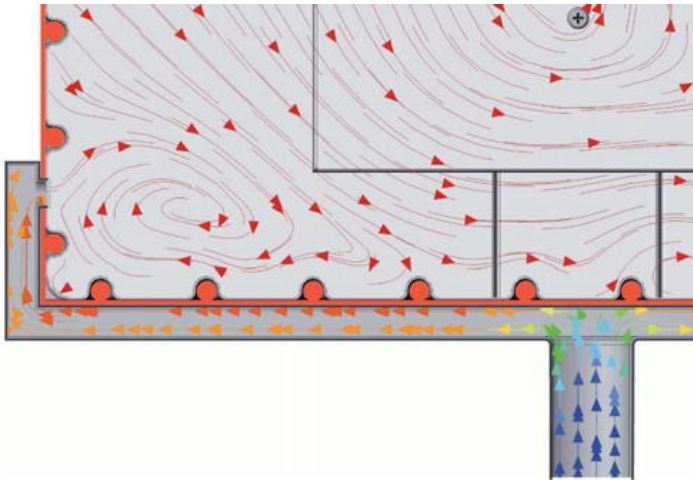
- In the event of over temperature due to failure, the heating is switched off at approx. 10C above the set temperature (fixed value)
- Electronic temperature monitoring TWW/TWB (protection class 3.1 or 2 resp. 3.3 for units with active cooling)
- Mechanical temperature limiter TB (protection class 1) acc. To DIN 12 880
- Auto SAFETY automatically adjusts to the set value within a freely adjustable tolerance range
- Setting individual MIN/ MAX values for over/ under temperature alarm

Textured Stainless Steel Housing/ Dimensions

- Structured stainless steel housing, rear zinc-plated steel
- Fully insulated (Rockwell Insulation) in chamber and stainless steel door (DIN EN 61010-1 (VDE 0411-1): 2011-07)
- Exterior dimensions: 23"W x 31"H x 20.2"D (Depth without door handle, Add +2.2" door handle)
- Unproblematic change of the door hinge from left side to right side at any time
- Recessed grips for safe carrying and handling

Interior – Heating Concept

- 15.7"W x 15.7"H x 13"D (1.9 Cubic Feet/ 53 Liters)
- Easy to clean interior, made of stainless steel material 1.4301 (ASTM 304)
- All around deep drawn ribs to integrate the large-area heating with ceramic-metal sheath (All around surface heating)
- 1 Stainless steel grids with up to 4 shelves maximum for chamber
- Fresh air preheated concept:



Temperature Range

- Ambient to 300C or 572F

Voltage/ Power Rating

- 115 or 230 Volt (+/- 10%), 50/60Hz
- Power consumption of 2000 Watts/ 9 Amps @ 230 Volt and 2000 Watts/ 17 Amps @ 115 Volt during heating
- Adaption of effective heating power depending on the set temperature

Packing Data

- Net Weight Approx. 121 Lbs.
- Net Weight (Including Packaging) Approx. 148Lbs.
- Dimensions Approx. 28"W x 37"H x 29"D

Other Information

- Customs Tariff Number: 8419 8998
- Country of Origin: Federal Republic of Germany