



Information about product price on demand

#### Parameters

Type of convection	With natural circulation
Brand, Manufacturer	Memmert
Volume [l]	53
Inner dimensions (w×h×d) [mm]	400 × 400 × 330
External dimensions (w×h×d) [mm]	585 × 784 × 514
Size	55
Quantitative unit	ks

- Detailed description

## Standard delivery Universal Oven

The universally applicable lab oven U is Memmert's classic appliance for temperature control in science, research and material tests in industry. The technologically perfected masterpiece made of high-quality, hygienic, easy-to-clean stainless steel leaves nothing to be desired in terms of ventilation and control technology, overtemperature protection and precisely tuned heating technology.

# Properties

## Control of standard components

**Temperature** 1 Pt100 sensor DIN class A in 4-wire-circuit

**Control** COCKPIT adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display

**Timer** Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

## Temperature

**Set temperature range in °C** min. 5°C above ambient up to +300°C

resolution of display for setpoint values 0.1°C up to 99.9°C, 0.5°C from 100°C and for actual values 0.1°C (LED)

## Control technology

**Function** Setpoint WAIT the process time does not start until the set temperature is reached

**Language setting** German/English/Spanish/French

**Calibration** three freely selectable temperature values

**Adjustable parameters** temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, summertime/wintertime

## Ventilation

**natural convection**

**Fresh air admixture** adjustment of pre-heated fresh air admixture by air flap control in 10 % steps

**Vent** vent connection with restrictor flap

## Communication

**Documentation** programme stored in case of power failure

**Programming** AtmoCONTROL software for reading out, managing and organising the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand).

## Safety

**Temperature control** adjustable electronic overtemperature monitor and mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature

**Autodiagnostic system** for fault analysis

## Standard equipment

**Scope of delivery** incl. works calibration certificate for +160°C

**Door** fully insulated stainless steel door with 2-point locking (compression door lock)

**Housing** rear zinc-plated steel

**Interior** easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides

**Internals** 1 stainless steel grid

## Stainless steel interior

**Max. loading of chamber:** 80 kg

**Dimensions (W × H × D) [mm]** w(A) × h(B) × d(C): 400 × 400 × 330 mm

**Volume** 53 l

## Textured stainless steel casing

w(D) × h(E) × d(F): 585 × 784 × 514 mm

## Electrical data

**Voltage Electrical load** 230 V, 50/60 Hz approx. 2000 W

## Packing/shipping data

**the appliances must be transported upright**

**Dimensions approx incl. carton** B × H × T: 730 × 950 × 670 mm

**Net weight approx.** 57 kg

**Gross weight carton approx. 76 kg**

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