

1 The versatile oven for reliable results



Magma

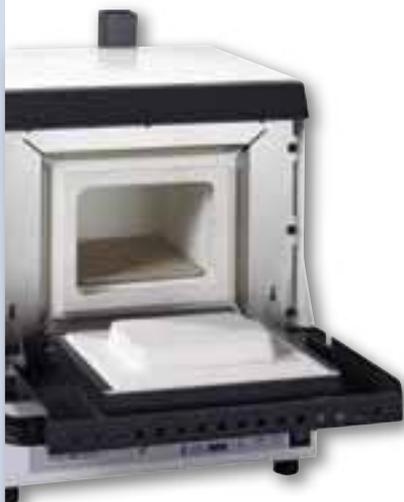
This furnace unifies all the main elements necessary for pre-heating, all in one machine. Apart from the top technology such as the Pt-RhPt temperature sensor, the four sided heating chamber and the hidden heating elements etc., the main emphasis was placed upon the ergonomics, so that operation, programming and ventilation is the best possible.

Secure investment

- this furnace is covered by a 3 year guarantee (except for the thermal sensor, a consumable part). The guarantee even covers the heating elements (to maximum 6000 operating hours).
- every single furnace is "burnt in" before leaving the factory, which means that it is 100% tested and can be placed in operation immediately.
- full benefit of the Renfert guarantee service: 3 year guarantee, 10-year spare parts supply and much more.

- ✓ **Spacious:**
Space for 4× size 6 plus 3× size 3 casting rings
- ✓ **Quick:**
Max. heat-up rate 900°C (1652°F) in 60 min.
- ✓ **Precise:**
Type S: PtRh-Pt temperature sensor

- ✓ **Even heat distribution:**
Four-sided heating
- ✓ **Reliable:**
Displayed temperature shows temperature in casting ring height
- ✓ **Clean:**
Renfert catalyst converter for Magma



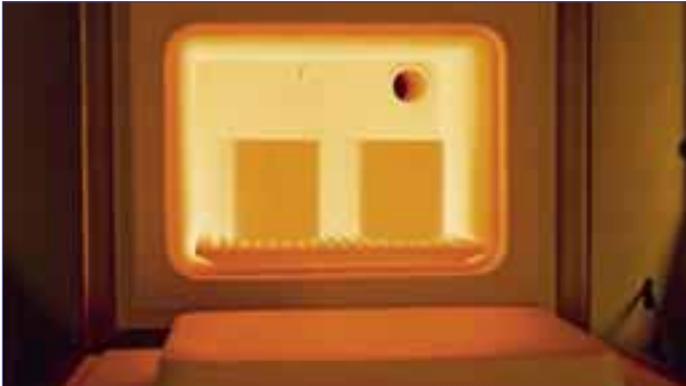
* Exception: thermal sensor. Heating elements to max. 6000 operating hours.

Description	Art. No.
Magma for use with catalyst converter, 230 V	2300-0500
Magma, 230 V	2300-0000

Technical Details

Voltage	230 V, 50 Hz
Heating power	1.900 W
Max. temperature	1.100°C
Muffle dimensions	160 x 180 x 120 mm (6.30 x 7.09 x 4.72 inch)
Max. heat-up rate in min.	900°C
Type S temperature sensor	PtRhPt
Size	430 x 500 x 450 mm (16.93 x 19.69 x 17.72 inch)
Free programmable stages	99
Additional speed programme	1
Firing chamber volume	3.45 l
Weight Magma	33.5 kg
Weight catalyst converter	6.7 kg

Details



Heats to 900°C in 60 minutes with evenly distributed temperature

- Heating from **four sides** means fast, even heating and quick compensation for temperature differences.
- The **one-piece** firing chamber prevents heat loss at points where it would otherwise occur because of joints.
- The distribution of the heating coils is more dense in thermally difficult areas to guarantee even temperature distribution (comparable to an air circulation oven).



Accurate and reliable

- The **PtRh-Pt temperature sensor** offers maximum accuracy and service life.
- The displayed temperature is the actual temperature at the height of the casting rings.
- Heating coils integrated into the walls of the firing chamber are protected from aggressive gases and mechanical damage. Result: long life.



Spacious, ergonomical and clean

- The oven has space for 9 × size 3, 4 × size 6 or 3 × size 9 casting rings.
- Casting rings can be placed on the special ceramic fibre oven door when removing them.
- Various functions guarantee that the wax will flow to the rear where it is burnt off – optionally by the high-performance catalytic converter – and removed through the exhaust and not through the door: no unpleasant odours, a clean oven, clean air with the inward tilted ceramic plate and the adjustable angle of inclination.



Simple, convenient and flexible operation

- It can be operated immediately without learning time with the intuitive icon-controlled programming
- Direct input of desired casting time (date and time) eliminates the need for calculation
- 99 program memory places + 1 program for speed investment compounds
- Controlled heating rate of 0–9°C/min. (0 = max.)
- Extra speed program