

Models:

- RD-MG-004/4** – Furnace with ceramic chamber, 4 L capacity, 900 °C max temp.
- RD-MG-004/4E** – Furnace with ceramic chamber, 4 L capacity, 1200 °C max temp.
- RD-MG-004/7** – Furnace with ceramic chamber, 7 L capacity, 900 °C max temp.
- RD-MG-004/7E** – Furnace with ceramic chamber, 7 L capacity, 1200 °C max temp.
- RD-MG-004/12** – Furnace with ceramic chamber, 12 L capacity, 900 °C max temp.
- RD-MG-004/12E** – Furnace with ceramic chamber, 12 L capacity, 1200 °C max temp.
- RD-MG-004/15** – Furnace with ceramic chamber, 15 L capacity, 900 °C max temp.
- RD-MG-004/15E** – Furnace with ceramic chamber, 15 L capacity, 1200 °C max temp.
- RD-MG-004/22** – Furnace with fiber insulated chamber, 22 L capacity, 1100 °C max temp.

Accessories:

- RD-MG-004/zCP** – Programmable Temperature Controller

Standards:

EN 196-2, EN 459-2, EN 12697-1, EN 1367-5

Description:

RD-MG-004 is a highly accurate laboratory furnace that characterized by fast heating time and excellent temperature stability.

The furnace equipped with a high-precision temperature controller Omron with PID settings and self-tuning function. If required It could be equipped with a programmable temperature controller, which provides up to 32 programming steps to set temperature ramp.

The chamber is manufactured from solid ceramic or fiber insulation and has ceramic bottom plate. All heating elements are enclosed in chamber walls.

The RD-MG-004 furnaces cover all requirements for aggregates, cement and asphalt testing.

The furnace includes ceramic bottom plate and ventilation channel to carry fumes and gasses that are released during thermal processing.

RD-MG-004 are available in different versions:

- max. temperature – from 900 °C to 1200 °C;
- volume capacity from 4 L to 22 L;
- chamber material – solid ceramic (resistant to aggressive chemical material samples) and thermal insulation fiber (not suitable to test aggressive chemical samples).



RD-MG-004/7



RD-MG-004/22

Technical specifications:

		RD-MG-004/4	RD-MG-004/4E	RD-MG-004/7	RD-MG-004/7E	RD-MG-004/12	RD-MG-004/12E	RD-MG-004/15	RD-MG-004/15E	RD-MG-004/22
Useful volume		4 L		7 L		12 L		15 L		22 L
Max. temperature		900 °C	1200 °C	900 °C	1200 °C	900 °C	1200 °C	900 °C	1200 °C	1100 °C
Temperature stability		± 1 °C								
Chamber material		solid ceramic								insulation fiber
Internal dimensions	Width	120 mm		195 mm		215 mm		215 mm		280 mm
	Depth	295 mm		295 mm		295 mm		400 mm		500 mm
	Height	110 mm		120 mm		195 mm		195 mm		160 mm
External dimensions	Width	440 mm		445 mm		640 mm		640 mm		605 mm
	Depth	555 mm		590 mm		745 mm		815 mm		855 mm
	Height	500 mm		525 mm		820 mm		820 mm		620 mm
Weight (approx.)		55 kg		50 kg		120 kg		130 kg		58 kg
Max. power demand		3.7 kW		3.3 kW		4.5 kW		6.0 kW		3 kW
Power supply		230 V, 50 Hz, 1 Ph		230 V, 50 Hz, 1 Ph		230 V, 50 Hz, 1 Ph		400 V, 50 Hz, 3 Ph		230 V, 50 Hz, 1 Ph