



An ISO 9001:2008
Certificate Company

Aarson Scientific Works

Thermoreactor

RD010, Heating reactor

**For the sample preparations of analyzes:
Total nitrogen, COT, COD, Total phosphate**

Analyzes of COD, TOC, total phosphate and total nitrogen require chemical mineralization (or digestion) with heating. The RD010 heating reactor offers programs at several temperatures (100/120/150° C) and reaction times (30, 60 and 120 minutes) as well as continuous operation. It has 24 stations for 16 mm diameter tubes. It operates on 220 V and 110 V (voltage switch on the back of the device)

Since safety is highly important, the heating reactor has a protective cover and is equipped with precise temperature control and overheating protection. An alarm sounds when the digestion is complete and the reactor switches off automatically.

For the correct handling of the tubes after heating, it is recommended to use a clamp adapted to catch them and to deposit them in a stand for cooling.



ADVANTAGES



- Optimum heat transfer between heating block and tubes
- Programmable temperature and heating time
- Perfectly secure
- 24 stations for 16 mm diameter tubes

Technical specifications	
Power connection	230 V / 50-60 Hz or 115 V / 50-60 Hz
Power	550 W
Dimensions	248 x 219 x 171 mm
Weight	3,9 kg
Material	ABS
Innerhousing	PBT
Protective grid	PPS
Lid	PC
Heating block	Aluminum
Number of locations	24
Temperature selection	100 / 120 / 150 °C
Temperature control	Pt100 class A
Stability of the temperature	± 1 °C at Pt100
Timer	30 / 60 / 120 / min. and unlimited (∞)
Heating speed	from 20°C to 150°C in 12 min.
Overheating protection	190°C at thermoblock
Pilotage	microprocessor
Beeper	max. 88 dB
Ambient conditions	10 – 40 °C max. 85 % relative humidity
Compliance	CE

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