

Озонаторы, ванны песчаные, плиты электрические CARL ROTH

Технические характеристики

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Heaters



Ozone generator OZ series

Phönix Instrument.

For local oxidative odour neutralisation and disinfection (elimination of micro-organisms) of surfaces like fixtures, furniture surfaces and walls.

Ozone (O₃) is a strongly oxidising molecule made up of three oxygen atoms. It exists as a gas and very quickly breaks down in the air into normal oxygen (O₂) under standard conditions. Ozone can remove harmful substances in the air.

An integrated timer ensures ozonisation at non-working times without personnel present. With proper application (sufficient ventilation), there are generally no more hazardous substances in the air after cleaning.

- Disinfection of rooms (germs, viruses, bacteria)
- Sanitation of rooms
- Mould spores in the air
- Musty smell
- Memory for 16 programmes - each programme comprises day (d) and On/Off time pair (h:min)

Technical specifications:

Art. No.	1CHY.1	1CK0.1
Type	OZ-10	OZ-30
Power consumption	10 g/h	30 g/h
Performance	130 W	250 W
Area of individual field	36 m ²	82 m ²
Volume	100 m ³	320 m ³
Flow rate	150 m ³ /h	250 m ³ /h
W x D x H	170 x 380 x 260 mm	220 x 440 x 305 mm
Ambient conditions	0 to 40 °C at 70% RH	
Weight	4 kg	6 kg
Mains connection	220–240 V, 50 Hz	

Type	Art. No.	Pack Qty.	
OZ-10	1CHY.1	1 unit(s)	
OZ-30	1CK0.1	1 unit(s)	



Electrical sand baths ST series

Gestigkeit.

With continuously variable temperature control. Temperature range 50 to 300 °C. Robust version for continuous operation. Heating plates made of aluminium alloy with screwed on and sealed stainless steel frame with a usable height of 50 mm. Uniform heat distribution. Housing parts made of stainless steel. Connecting cable 1.7 m.

Technical specifications:

Art. No.	L165.1	L166.1
Type	ST 72	ST 82
Performance	2200 W	2850 W
Width	360 mm	
Depth	360 mm	510 mm
Height	220 mm	
Weight	1400 g	2100 g

Type	Art. No.	Pack Qty.	
ST 72	L165.1	1 unit(s)	
ST 82	L166.1	1 unit(s)	



Rapid incinerator SVR/E

Gestigkeit.

Up to 950 °C with continuously variable temperature control. For individual and series incineration, even of liquid substances Top level has 8 openings, each Ø 34 mm and can accommodate a porcelain crucible up to Ø 50 mm for drying or heating.

Top part and housing made of stainless steel Integrated signal clock up to 120 min with switch setting for continuous operation. Ready for connection with 1.5 meter cable and protective plug.

Technical specifications:

Art. No.	L163.1
Type	SVR/E
Performance	2500 W
Width	450 mm
Depth	180 mm
Height	310 mm
Weight	7000 g
Mains connection	220 V

Type	Art. No.	Pack Qty.	
SVR/E	L163.1	1 unit(s)	

Hot plates



Hot plate

Severin.

With continuous temperature adjustment. Indicator lamp. Base plate with heat-resistant coating.

Technical specifications:

Art. No.	P853.1	EC13.1	K705.1	EC14.1
Type	Hot plate, individual		Double hot plate	
Version	Upper part, enamelled white	Upper part, brushed stainless steel	Upper part, enamelled white	Upper part, brushed stainless steel
Performance	1500 W		1500/1000 W	
Heated zone	Ø 180 mm		Ø 180/150 mm	
W x D x H, total	250 x 290 x 85 mm	262 x 285 x 80 mm	500 x 290 x 85 mm	460 x 290 x 77 mm

Type	Version	Art. No.	Pack Qty.	
Hot plate, individual	Upper part, enamelled white	P853.1	1 unit(s)	
Hot plate, individual	Upper part, brushed stainless steel	EC13.1	1 unit(s)	
Double hot plate	Upper part, enamelled white	K705.1	1 unit(s)	
Double hot plate	Upper part, brushed stainless steel	EC14.1	1 unit(s)	



Hot plate RK 501 portable model

Rommelsbacher.

- Housing made of stainless steel and plastic
- Cast iron hot plate
- Continuously adjustable temperature control
- With overheating protection and rubber feet
- Integrated cord retractor

Technical specifications:

Art. No.	1H9K.1
Type	Portable RK 501
Heating output	500 W
Temperature range	to +450 °C
Heated zone	Ø 80 mm
W x D x H, total	140 x 140 x 70 mm
Weight	710 g
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
Portable RK 501	1H9K.1	1 unit(s)	



Hot plates



Glass ceramic hot plate CT 1800/E

Rommelsbacher.

- With stainless steel housing
- Schott Ceran® glass ceramic hot plate
- Infinitely adjustable temperature regulation (power control from 7 to 100%; scale with 12 stages)
- Residual heat display, indicator light, overheating protection

Technical specifications:

Art. No.	1HT2.1
Type	CT 1800/E
Heating output	1800 W
Temperature range	to +450 °C
Heated zone	Ø 180 mm
W x D x H, total	305 x 410 x 75 mm
Weight	2,52 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
CT 1800/E	1HT2.1	1 unit(s)	



Glass ceramic hot plate CT 2203/TC

Rommelsbacher.

- Brushed stainless steel housing
- Dual circuit heating technology
- Large heating zone can be switched on (Ø 210 mm)
- Heat output 1000 W (Ø 140 mm)
- Heat output 2200 W (Ø 210 mm)
- Schott Ceran® Cooktop
- Heating power is adjustable in 9 steps
- Heating element with particularly short heat-up time
- Control lamp, residual heat display
- Automatic operating time limitation (1 to 10 h depending on the cooking level set)

Technical specifications:

Art. No.	EY75.1
Type	CT 2203/TC
Heating output	1000/2200 W
Temperature range	to +460 °C
Heated zone	Ø 140/Ø 210 mm
W x D x H, total	305 x 410 x 75 mm
Weight	3.2 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
CT 2203/TC	EY75.1	1 unit(s)	



Double hot plate CT 3400/E

Rommelsbacher.

- With brushed stainless steel casing and Ceran®-hob
- Stepless energy regulation via retractable rotary toggles
- Heat output 1200 W (1st heating zone: Ø 145 mm)
- Heat output 2200 W (2nd heating zone: selectable Ø 140/210 mm)
- Control lamps, residual heat indicators and overheating protection

Technical specifications:

Art. No.	CHK9.1
Type	CT 3400/E
Heating output	1200/2200 W
Temperature range	to +460 °C
Heated zone	Ø 145/Ø 140/210 mm
W x D x H, total	550 x 310 x 65 mm
Weight	3.7 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.	
CT 3400/E	CHK9.1	1 unit(s)	

Hot plates



Induction hot plate CT 2215/IN

Rommelsbacher.

A magnetic coil generates the heat directly in the bottom of the pot. The cooking surface remains almost cold.

Operation only possible with pots suitable for induction.

- Stainless steel housing
- Schott Ceran®-cooking surface
- Temperature selection in 21 steps from 60 to 260 °C (adjustable in steps of 10 °C)
- Power selection in 9 steps (70/130/180/270/350/500/820/1280/2200 W)
- Electronic regulation via touch-control operating elements
- Time switch up to 99 min
- Pot detection
- Automatic switch-off and signal tone
- Residual heat and operation display

Technical specifications:

Art. No.	NA86.1
Type	CT 2215/IN
Heating output	2200 W
Temperature range	+60 to +260 °C
Heated zone	Ø 80–200 mm
Hotplate material	Schott Ceran®
W x D x H, total	333 x 380 x 65 mm
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.
CT 2215/IN	NA86.1	1 unit(s)



Digital hot plate REC

Velp.

- Glass ceramic surface
- Digital display of hot plate target temperature (Setting accuracy in 5 °C increments)
- Hot Top Indicator (hot surface warning)
- Elevated control panel for protection against leaking liquids

Technical specifications:

Art. No.	ACP8.1
Type	REC
Heating output	780 W
Temperature range	+25 to +550 °C
Control accuracy	±10 K
Heated zone	180 x 180 mm
Hotplate material	Glass ceramic
W x D x H, total	203 x 344 x 94 mm
Weight	2.7 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.
REC	ACP8.1	1 unit(s)



Cell culture hot plate CultureTemp™ 37 °C

Housing made of PP, hot plate made of aluminium. Improves the viability of cells after removal from the incubator. With digital display and fixed hot plate temperature of 37 °C. Audible timer, adjustable from 1 to 15 mins in 1-minute increments (without influencing the heating; does not switch off when timer runs out). With LED for monitoring the heating function.

Technical specifications:

Art. No.	CHC7.1
Type	CulturTemp™ 37 °C
Operating temperature	37 °C (non-adjustable)
Temperature stability	±1 °C
Heated zone	203 x 178 mm
Hotplate material	Aluminium
W x D x H, total	249 x 254 x 57 mm
Weight	1.1 kg
Mains connection	230 V, 50/60 Hz

Type	Art. No.	Pack Qty.
CulturTemp™ 37 °C	CHC7.1	1 unit(s)



Hot plates



Digital heating plate C-MAG HP series

IKA.

General information for all models:

- Footprint made of glass ceramic
- Temperature setting via digital display (LED)
- Digital display of the heating plate target temperature
- Error code display in the event of a fault
- Fixed safety circuit of 550 °C
- Hot Top Indicator (hot surface warning)

Technical specifications:

Art. No.	LN75.1	LN76.1	LN77.1
Type	C-MAG HP 4	C-MAG HP 7	C-MAG HP 10
Heating output	250 W	1000 W	1500 W
Temperature range	+50 to +500 °C		
Control accuracy	±10 K		
Hotplate material	Glass Ceramics		
Footprint	100 x 100 mm	180 x 180 mm	260 x 260 mm
W x D x H, total	150 x 260 x 105 mm	200 x 330 x 105 mm	300 x 415 x 105 mm
Weight	3 kg	5 kg	6 kg
Mains connection	230 V, 50/60 Hz		

Standard version

Type	Art. No.	Pack Qty.	
C-MAG HP 4	LN75.1	1 unit(s)	

Models with contact thermometer connection

Additionally with DIN socket 12878 for the connection of an electronic contact thermometer e.g. ETS-D5 for high-precision temperature control.

Type	Art. No.	Pack Qty.	
C-MAG HP 7	LN76.1	1 unit(s)	
C-MAG HP 10	LN77.1	1 unit(s)	



Hot plate US/UC-series

Stuart.

Features:

- Microprocessor-controlled heating element
- Platforms are optionally available in glass ceramic (generally good resistance to chemical attack, high temperature, 120 x 120 mm heated zone) or aluminium (extremely robust, 150 x 150 mm heated zone)
- Temperature control with LED display, colour LEDs make it easier to read current actual temperature
- Safety warning lamp comes on at temperatures above 50 °C

Technical specifications:

Art. No.	PY70.1	PY71.1
Type	US150	UC150
Heating output	700 W	500 W
Temperature range	to 325 °C	to 450 °C
Heated zone	150 x 150 mm	120 x 120 mm
Hotplate material	Aluminium/silicone-coated	Glass ceramic
Footprint	150 x 150 mm	
W x D x H, total	172 x 248 x 120 mm	
Weight	2.2 kg	
Mains connection	230 V, 50 Hz	

Type	Art. No.	Pack Qty.	
US150	PY70.1	1 unit(s)	
UC150	PY71.1	1 unit(s)	

Hot plates



Infrared hotplate CR 300

Stuart.

- Chemically resistant ceramic surface
- With safety warning lamp for temperatures above 50 °C
- Efficient infrared heating with 900 W
- Heats 1 litre of water 30 % faster than conventional ceramic heating plates with 1200 W
- For liquid quantities up to 10 l

Technical specifications:

Art. No.	EE52.1
Type	CR 300
Heating output	900 W
Temperature range	+50 to +450 °C
Heated zone	Ø 140 mm
Footprint	300 x 300 mm
W x D x H, total	300 x 365 x 105 mm
Weight	4 kg
Mains connection	230 V, 50 Hz

Type	Art. No.	Pack Qty.	
CR 300	EE52.1	1 unit(s)	



Hot plate CD/SB-series

Stuart.

With safety warning lamp for temperatures over 50 °C.

Technical specifications:

Art. No.	Y409.1	Y410.1
Type	CB 300	SB 300
Heating output	1200 W	600 W
Temperature range	+50 to +450 °C	+50 to +300 °C
Heated zone	200 x 200 mm	300 x 300 mm
Hotplate material	Ceramic	Aluminium
Footprint	300 x 300 mm	
W x D x H, total	300 x 365 x 105 mm	
Weight	6 kg	
Mains connection	230 V, 50 Hz	

Type	Art. No.	Pack Qty.	
CB 300	Y409.1	1 unit(s)	
SB 300	Y410.1	1 unit(s)	



Hot plate CB/SB-series

Stuart.

Large surface for simultaneous heating of multiple samples, for example 30 beakers of 100 ml. With safety warning light at temperatures over +50 °C.

Technical specifications:

Art. No.	Y407.1	Y408.1
Type	CB 500	SB 500
Heating output	2250 W	1500 W
Temperature range	+50 to +375 °C	+50 to +300 °C
Heated zone	450 x 250 mm	500 x 300 mm
Hotplate material	Ceramic	Aluminium
Footprint	500 x 300 mm	
W x D x H, total	520 x 360 x 130 mm	
Weight	12 kg	
Mains connection	230 V, 50 Hz	

Type	Art. No.	Pack Qty.	
CB 500	Y407.1	1 unit(s)	
SB 500	Y408.1	1 unit(s)	



Hot plates



Digital hot plate SD-series

Stuart.

With large surface for simultaneous heating of multiple samples.

- Microprocessor-controlled
- Footprint, model SD 300: 300 x 300 mm
Footprint, model SD 500: 300 x 500 mm
- Digital display with a display resolution of 1 °C
- Aluminium hot plate ensures even heat distribution
- Temperature fluctuations in the worktop area: ± 2 °C

Technical specifications:

Art. No.	AH86.1	AH87.1
Type	SD 300	SD 500
Heating output	600 W	1500 W
Temperature range	+50 to +300 °C	
Display resolution	1 °C	
Temperature stability	$\pm 1,5$ °C	
Heated zone	300 x 300 mm	300 x 500 mm
W x D x H, total	320 x 365 x 105 mm	520 x 360 x 130 mm
Weight	6 kg	12 kg
Mains connection	230 V, 50/60 Hz	

Type	Art. No.	Pack Qty.
SD 300	AH86.1	1 unit(s)
SD 500	AH87.1	1 unit(s)



Hot plate CP 300, acid resistant

Stuart.

Suitable for aggressive liquids, concentrated acids or alkalis, for trace analysis etc.

Features:

- Hot plate housing made of PTFE with ceramic heating surface
- Safety warning lamp for temperatures above 50 °C
- Remote control via separate control unit with PTFE-sheathed connection cable (the control unit can be placed outside the working area)

Technical specifications:

Art. No.	KN92.1
Type	CP 300
Heating output	900 W
Temperature range	to +400 °C
Heated zone	200 x 200 mm
Hotplate material	Ceramic
Footprint	300 x 300 mm
W x D x H, total	320 x 360 x 60 mm
Control line	2000 mm
Weight	11 kg
Mains connection	230 V, 50 Hz

Type	Art. No.	Pack Qty.
CP 300	KN92.1	1 unit(s)

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