

ROHDE

Kilns and Machinery
for Ceramics, Glass and Metal
400–1400°C



Gas-fired Kilns for Ceramics

Gas-fired Kilns up to 1320°C

All our gas-fired kilns are outstanding in their easy and safe gas heating technology, which is of course, always held up to date with the latest developments.

The downdraft technology provides for even temperature distribution. The extremely silent high-performance intermediate pressure burner – especially developed for these kiln types – ensure an optimal increase in temperatures even in the high temperature range and allow for a stable atmospheric control (no pressure drop during firing). The efficient technology results in very low energy consumption.

Reduction control is carried out manually by means of a flue slide. All models are equipped with peep holes to monitor the firing process with Seger cones.

The gas fittings including safety technology are entirely pre-installed for connection to gas bottles or gas lines according to DVGW.

A thermocouple with temperature meter is of course part of your ROHDE gas-fired kiln. Our "Servo Jet" burner was especially designed for the firing with natural gas.



TG 80



Plus points :

- corrosion free V2A outer casing
- can be dismantled for transport
- pressure springs allow for easy opening of lid

Plus points of ROHDE gas-fired kilns:

- reduction resistant firebrick lining
- low weight fire bricks, no fiber mats: harmless and durable
- low outside temperatures
- test certificate for quality insurance
- CE certificate
- maintenance free
- 36 months guarantee

Special features:

- automatic gas firing control with TC 505 control unit (firing curve with automatic shut down)
- oxygen probe for atmospheric measurement
- CO warning device
- natural gas burner Servo Jet
- exhaust hood
- transport castors



CO warning device

Top loader

Type	Int. Dimension (mm)			Ext. Dimensions(mm)			Burner piece	Output kW	Bats mm	Weightt kg
	w	d	h	W	D	H				
TG 80	430	480	460	800	680	790	1	20	Ø 420	120
TG 170	620	620	530	1020	930	860	2	40	Ø 550	150
TG 220	620	620	690	1020	930	1020	2	40	Ø 550	180
TG 270	750	620	690	1070	930	1020	2	40	Spezial	200

KG-Front-loading Kilns

Type	Int. Dimensions(mm)			Ext. Dimensions(mm)			Burner piece	Output kW	Bats mm	Weight kg
	w	d	h	W	D	H				
KG 250 A	540	630	760	1040	970	1590	2	40	600x500	540
KG 500 A	600	850	980	1100	1280	1670	4	60	600x400(2)	880
KG 750 A	820	820	1140	1320	1240	1790	4	60	400x400(4)	1040
KG 1000 A	820	1020	1210	1320	1450	1870	4	80	480x400(4)	1200

Plus points:

- corrosion protection and low outside temperature due to ventilation behind kiln
- sturdy steel frame with industrial structural lacquer
- double-layered insulation
- ceiling supported by Resic beams – "ROHDE" System
- door opens easily and wide (approx. 180°)
- V2A exhaust hood and door frame – corrosion free



KG 500

We are specialized in custom-made kilns. Please call us for special requirements in dimensions or temperature range! We will find a solution.



Raku-Kilns up to 1150°C

Plus points of ROHDE Raku-Kilns:

- low outside temperatures
- test certificate for quality insurance
- CE certificate
- maintenance free
- 36 months guarantee

The main advantage of the Raku kiln is the ease of transport and maintenance. Due to the corrosion-free V2A outer shell and the low weight fire bricks the kiln is robust and has a long service life. Of course this kiln type also feature peep holes to monitor the firing process. Especially positive is the short heating time with extremely low energy consumption. For this purpose we have developed an extremely silent and well adjustable 30 kW high-performance burner, which has been developed especially for this type of kiln (no pressure drop during firing).

Raku-equipment:

- digital temperature meter up to 1150°C (battery operated)
- thermocouple NiCr/Ni NL 130 up to 1150°C
- hose connection incl. pressure control and manometer for connection with bottle
- atmospheric Raku burner 30 kW propane



Raku Top loader

Type	Int. Dimensions(mm)			Ext. Dimensions(mm)			Burner piece	Output kW	Bats mm	Weight kg
	w	d	h	W	D	H				
TR 44	400	400	350	580	580	790	1	30	Ø350	60
TR 80	450	450	500	630	630	940	1	30	Ø350	80
TR 170	610	610	580	800	800	1020	1	30	Ø550	120

TR 80



Plus points of Raku Top loader:

- can be disassembled for transport
- low weight fire bricks, no fiber mats, harmless and durable
- pressure springs allow easy opening of lid

Raku Front-loading Kilns

Type	Int. Dimensions(mm)			Ext. Dimensions(mm)			Burner piece	Output kW	Bats mm	Weight kg
	w	d	h	W	D	H				
KR 70	400	450	430	630	600	870	1	30	370x340	80
KR 150	610	570	510	840	730	960	1	30	550x500	125

Plus points of Raku Front-loading kilns:

- low weight fire bricks plus ceramic fiber-free fiber door and rear wall: harmless and light
- door opens easily and wide (180°)
- sturdy steel frame with industrial structural lacquer



KR 70

Special equipment:

- drying attachment
- transport castors



Material for Self-Assembly of Gas-Fired Kilns

pot burner for gas-fired kilns up to 1400°C

- atmospheric intermediate pressure pot burner, 20 kW
- propane gas
- very fine adjustment from 0–1.5 bar
- with piezo igniter
- flame detector and safety valve

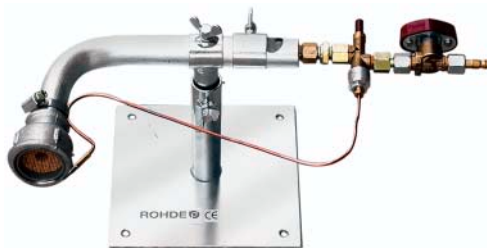


Material for self assembly

- low weight fire bricks NF1–76 228x114x76mm, reduction resistant, for 1320°C, 1370°C or 1400°C
- insulation plate from 1000x610x25 mm to 900°C for back-side insulation
- fiber mat 610 mm width 25 mm thickness, ceramic fiber free up to 1260°C or ceramic fiber up to 1400°C
- HT high temperature glue, 1kg-tin, up to 1600°C (ready to use, air drying)

RAKU burners for kilns up to 1200°C

- atmospheric intermediate pressure Raku burners, 30 kW
- propane gas
- good adjustment from 0–1.5 bar
- flame detector and safety valve



Thermocouple

- NiCr/Ni up to 1150°C in various lengths (standard nominal length 130mm)
- PtRh/Pt up to 1500°C in various lengths

Temperature-meter

- digital NiCr/Ni meter up to 1150°C (battery operated)
- digital PtRh/Pt meter up to 1320°C (battery operated or mains operated with 230 V)



Natural gas burner and gas supply, control units, oxygen probes

- atmospheric natural gas pot burner "Servo-Jet", 20 kW, very fine adjustment from 0–30 mbar
- hose connection including pressure control and manometer for connection to gas bottle or gas line
- 2-bottle connection with valves for disconnecting on both lines (additional equipment to hose connection)
- automatic gas control with TC 505 control unit (firing curve-control with automatic shut down)
- oxygen probe for atmospheric measurement for reduction firing

Your specialized retailer:

We cooperate with qualified retailers, who you may contact if you have any questions about our products. Please see your retailer for competent advice or to take a look at our sample kilns. Should you not find one of our specialists in your region please do not hesitate to contact us directly, we will tell you where to find a retailer close to you.

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We reserve the right to apply technical modifications and deviations from measurements in the course of further development of our products.