



Gas-fired kilns

for ceramics up to 1320°C



ROHDE 



TG 80

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

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 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 spy 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 (German technical and scientific association for gas and water). 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.

Advantages of ROHDE gas-fired kilns:

- Reduction resistant firebrick lining
- Lightweight insulating firebricks, no fibre mats: harmless and durable
- Low outside temperatures
- Test certificate for quality control
- CE certificate of conformity
- Maintenance free
- 36 months guarantee

Special features:

- Automatic gas firing control with controller TC 505 (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



Advantages:

- Corrosion free V2A outer casting
- Can be dismantled for transport
- Pressure springs allow for easy opening of lid

Toploaders

Model	Int. dimensions (mm)			Ext. dimensions (mm)			Burner pieces	Output kW	Plates mm	Weight kg
	w	d	h	W	D	H				
TG 80	430	480	460	800	680	790	1	20	∅ 420	120
TG 170	620	620	530	1020	930	860	2	40	∅ 550	150
TG 220	620	620	690	1020	930	1020	2	40	∅ 550	180
TG 270	750	620	690	1070	930	1020	2	40	Spezial	200

KG Frontloaders

Model	Int. dimensions (mm)			Ext. dimensions (mm)			Burner pieces	Output kW	Plates 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

Advantages:

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



KG 500



Advantages of ROHDE Raku kilns:

- Low outside temperatures
- Test certificate for quality control
- CE certificate of conformity
- Maintenance free
- 36 months guarantee

Complete Raku equipment:

- Digital temperature meter up to 1150°C (battery operated)
- Thermocouple NiCr/Ni NL 130 up to 1150°C
- Hose connection inclusive of pressure control and manometer for connection to bottle
- Atmospheric raku burner 30kW for propane gas



The main advantage of our Raku kiln is its easy transport and maintenance. Due to the corrosion-free V2A outer shell and the lightweight insulating firebricks the kiln is robust and has a long service life.

Of course this kiln type also features spy holes to monitor the firing process. Especially positive is the short heating time with extremely low energy consumption. For this purpose we have designed an extremely silent and easily adjustable 30 kW high-performance burner, which has been developed especially for this type of kiln (no pressure drop during firing).



TR 80

Raku Toploaders

Model	Int. dimensions (mm)			Ext. dimensions (mm)			Burner pieces	Output kW	Plates 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

Advantages of our Raku toploaders:

- Can be disassembled for transport (if desired, in three equally sized ring segments)
- Lightweight insulating firebricks: no fiber mats, harmless and durable
- Pressure springs allow easy opening of lid

Raku Frontloaders

Model	Int. dimensions (mm)			Ext. dimensions (mm)			Burner pieces	Output kW	Plates 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

We are specialized in custom-made kilns.

Please contact us for special requirements in dimensions or temperature range! **We will find a solution.**

Advantages of our Raku frontloaders:

- Lightweight insulating firebricks plus ceramic fiber-free door and back wall: harmless and light
- Door opens easily and wide (180°)
- Stable steel frame coated frame with industrial structural lacquer

Special equipment:

- Drying attachment
- Transport castors



KR 70

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

- Atmospheric intermediate pot burner, 20 kW
- Propane gas
- Very fine adjustment from 0 to 1.5 bar
- With piezo ignition
- Flame detector and safety valve



RAKU burners for kilns up to 1200°C

- Atmospheric intermediate pot burner, 30 kW
- Propane gas
- Very fine adjustment from 0 to 1.5 bar
- Flame detector and safety valve



Material for self-assembly

- Lightweight insulating firebricks NF 1-76 228x114x76 mm, reduction resistant, for 1320°C, 1370°C or 1400°C
- Insulating plate 1000x610x25 mm to 900°C for insulation of kiln back wall
- 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, 1 kg-tin, up to 1600°C (ready to use, air drying)

Thermocouples

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

Temperature meters

- Digital NiCr/Ni meter up to 1150°C (battery operated)
- Digital PtRh/Pt meter up to 1320°C (battery operated or mains supply 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 specialised retailer:

We cooperate with qualified retailers, who are pleased to answer your questions about our products. Please contact your retailer for competent advice or take a look at our showroom kilns.

In case you do not find one of our partners in your region, please contact us, 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.