A BURNING PASSION FOR THE BEST POSSIBLE RESULTS.
Gas Toploaders TG series

Gas-fired ROHDE Toploaders from the TG series combine high-level technology with economic efficiency. ROHDE gas technology is easy and safe to handle. It can be controlled individually and has very low energy consumption providing in-frame ventilation made of stainless steel sheets. The R-SiC ceiling support “System ROHDE” prevents cracks and particles falling from the ceiling onto the ware.

DOWNRAY flame control technology ensures even temperature distribution. The extremely silent high-performance intermediate pressure burners were developed specially for gas-fired ROHDE Toploaders. They ensure an optimal temperature rise even in the high range and allow stable atmospheric control during firing. Reduction control is carried out manually using a flue slide. All models from the TG series are equipped with view ports to allow monitoring of the firing process using Seger cones. The gas fittings including safety technology are pre-installed for connection to gas bottles or gas lines according to DVGW (DVGW German Technical and Scientific Association for Gas and Water). A thermocouple with temperature meter is also supplied with the kiln.

You can choose the ROHDE Servo Jet equipment for firing a Toploader from the TG series with natural gas.

Special features of the TG series:
- Downdraft flame control technology
- Ring system, can be disassembled for transport and movement
- Pressure spring-supported opening mechanism for the lid
- Burner systems for propane, butane and natural gas
- Stainless steel hood
- Castors, stable and robust

Special equipment:
- Oxygen probe for atmospheric measurement
- CO alarm and monitoring device
- ROHDE Servo Jet equipment for working with natural gas

<table>
<thead>
<tr>
<th>Model</th>
<th>Tmax</th>
<th>Int. dimensions mm</th>
<th>Ext. dimensions mm</th>
<th>Output</th>
<th>Burners</th>
<th>Furniture batts</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG 80</td>
<td>1320</td>
<td>520 500 450</td>
<td>870 800 760</td>
<td>20 1</td>
<td>Ø 400</td>
<td>120 kg</td>
<td></td>
</tr>
<tr>
<td>TG 170</td>
<td>1320</td>
<td>650 640 530</td>
<td>1020 930 830</td>
<td>40 2</td>
<td>Ø 550</td>
<td>150 kg</td>
<td></td>
</tr>
<tr>
<td>TG 220</td>
<td>1320</td>
<td>650 640 690</td>
<td>1020 930 990</td>
<td>40 2</td>
<td>Ø 550</td>
<td>180 kg</td>
<td></td>
</tr>
<tr>
<td>TG 270</td>
<td>1320</td>
<td>770 640 690</td>
<td>1130 930 990</td>
<td>40 2</td>
<td>Special</td>
<td>200 kg</td>
<td></td>
</tr>
</tbody>
</table>

Gas Frontloaders KG series

Gas-fired Frontloaders from the KG series comprise several models with kiln volumes between 250 and 1000 litres. These kilns were designed for use in workshops. Based on electric frontloaders, the entire steel construction is equipped with in-frame ventilation made of stainless steel sheets. The R-SiC ceiling support “System ROHDE” prevents cracks and particles falling from the ceiling onto the ware.

DOWNRAY flame control technology ensures even temperature distribution also in the KG series. The extremely silent high-performance intermediate pressure burners were developed specially for gas-fired ROHDE Frontloaders. They ensure an optimal temperature rise even in the high temperature range. The gas fittings including safety technology are pre-installed for connection to gas bottles or gas lines according to DVGW (DVGW German Technical and Scientific Association for Gas and Water). A thermocouple with temperature meter is supplied with the kiln.

You can choose the ROHDE Servo Jet equipment for firing a Frontloader from the KG series with natural gas.

Special features of the KG series:
- Downdraft flame control technology
- Stainless steel in-frame ventilation resulting in low external temperatures and corrosion protection
- Stainless steel hood
- Flame baffle plate to protect the kiln construction in the burner area
- Exhaust air handle setting using a guiding scale

Special equipment:
- Oxygen probe for atmospheric measurement
- CO alarm and monitoring device
- ROHDE Servo Jet equipment for working with natural gas
- Castors, stable and robust

<table>
<thead>
<tr>
<th>Model</th>
<th>Tmax</th>
<th>Int. dimensions mm</th>
<th>Ext. dimensions mm</th>
<th>Output</th>
<th>Burners</th>
<th>Furniture batts</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG 250 A</td>
<td>1320</td>
<td>540 670 760</td>
<td>1190 1035 1880*</td>
<td>40 2</td>
<td>Ø 340</td>
<td>600 x 550, 590 kg</td>
<td></td>
</tr>
<tr>
<td>KG 340 A</td>
<td>1320</td>
<td>700 760 760</td>
<td>1510 1240 1880*</td>
<td>80 4</td>
<td>550 x 340 (2)</td>
<td>800 kg</td>
<td></td>
</tr>
<tr>
<td>KG 500 A</td>
<td>1320</td>
<td>610 870 980</td>
<td>1420 1360 2210*</td>
<td>80 4</td>
<td>560 x 380 (2)</td>
<td>900 kg</td>
<td></td>
</tr>
<tr>
<td>KG 750 A</td>
<td>1320</td>
<td>830 990 1140</td>
<td>1640 1390 2490*</td>
<td>80 4</td>
<td>400 x 400 (4)</td>
<td>1020 kg</td>
<td></td>
</tr>
<tr>
<td>KG 1000 A</td>
<td>1320</td>
<td>1330 1350 1210</td>
<td>1640 1550 2440*</td>
<td>120 6</td>
<td>480 x 450 (4)</td>
<td>1250 kg</td>
<td></td>
</tr>
</tbody>
</table>

* incl. detachable stainless steel hood
ROHDE Toploaders from the TR series for raku applications stand for easy handling, durability and flexibility. Toploaders from the TR series are easy to transport and problem-free to handle. High standard technology such as a V2A stainless steel jacket or a stable structure made of lightweight firebricks guarantee sturdiness and long service life.

ROHDE Toploaders from the TR series have very low energy consumption at remarkably short heating rates. For this purpose, ROHDE developed a silent 30 kW high-performance burner that is easy to regulate especially for this series.

All models of the TR series can be disassembled into ring segments for transport. Benefit from the extendability of the model TR 80 Vario by fitting in an extension ring for more flexibility.

Special features of the TR series:
- Lid easy-to-open supported by gas pressure springs (not for TR 80 Vario)
- Reduction-resistant lightweight firebrick lining of the firing chamber
- Sturdy kiln frame with handles allowing effortless transportation
- ROHDE Raku burner equipment for use with propane and butane gas, powerful and silent
- View port to monitor firing

Complete Raku burner kit:
- Atmospheric 30 kW raku burner for use with propane gas
- Hose connection including pressure control and manometer for connection to bottle
- Digital temperature meter up to 1150°C (battery operated)
- Thermocouple NiCr/Ni NL 130 to 1150°C

Special equipment:
- Castors, stable and robust

Raku Toploaders TR Series to 1150°C

<table>
<thead>
<tr>
<th>Model</th>
<th>Tmax</th>
<th>Int. dimensions mm</th>
<th>Ext. dimensions mm</th>
<th>Output</th>
<th>Burners</th>
<th>Furniture batts</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR 44</td>
<td>1150</td>
<td>400 400 350</td>
<td>620 650 790</td>
<td>30</td>
<td>1</td>
<td>Ø 350</td>
<td>60</td>
</tr>
<tr>
<td>TR 80</td>
<td>1150</td>
<td>460 460 610</td>
<td>620 620 840</td>
<td>30</td>
<td>1</td>
<td>Ø 350</td>
<td>80</td>
</tr>
<tr>
<td>TR 80 Vario</td>
<td>1150</td>
<td>460 460 610</td>
<td>620 620 840</td>
<td>30</td>
<td>1</td>
<td>Ø 350</td>
<td>80</td>
</tr>
<tr>
<td>ZWR 80</td>
<td>1150</td>
<td>460 460 230</td>
<td>620 620 230</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>24</td>
</tr>
<tr>
<td>TR 170</td>
<td>1150</td>
<td>610 610 590</td>
<td>850 850 920</td>
<td>30</td>
<td>1</td>
<td>Ø 540</td>
<td>120</td>
</tr>
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</table>

ZWR = Extension ring to increase volume

Raku Frontloaders KR Series

This kiln series combines high-level raku technology with all the advantages of a frontloader. The V2A stainless steel jacket and side wall structure made of lightweight firebricks guarantee extreme sturdiness and a long service life. The material used in the kiln door and back is free of ceramic fibre, thus reducing weight. Thanks to a remarkably handy construction, the kiln door opens easy and wide even when using commercial raku gloves.

Special features of the KR series:
- Reduction-resistant lightweight firebrick lining of the firing chamber
- Kiln door and back made in ceramic fibre module design
- Sturdy kiln frame allowing effortless transportation
- ROHDE Raku burner equipment for use with propane and butane gas, powerful and silent

Complete Raku burner kit:
- Atmospheric 30 kW raku burner for use with propane gas
- Hose connection including pressure control and manometer for connection to bottle
- Digital temperature meter up to 1150°C (battery operated)
- Thermocouple NiCr/Ni NL 130 to 1150°C

Special equipment:
- Drying rack, handy and practical
- Castors, stable and robust

Raku Frontloaders KR Series to 1150°C

<table>
<thead>
<tr>
<th>Model</th>
<th>Tmax</th>
<th>Int. dimensions mm</th>
<th>Ext. dimensions mm</th>
<th>Output</th>
<th>Burners</th>
<th>Furniture batts</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR 70</td>
<td>1150</td>
<td>400 450 430</td>
<td>630 630 870</td>
<td>30</td>
<td>1</td>
<td>370 x 340</td>
<td>80</td>
</tr>
<tr>
<td>KR 150</td>
<td>1150</td>
<td>610 570 510</td>
<td>840 760 960</td>
<td>30</td>
<td>1</td>
<td>550 x 500</td>
<td>125</td>
</tr>
</tbody>
</table>
**ROHDE LPG pot burner with 20 kW burner output for ceramic kilns to 1400°C**

The powerful ROHDE burner for use with propane or butane gas offers very fine vertical flame adjustment.

The power is controlled using the pressure control at the ROHDE Hose connection mounted to the burner system with a quick connector. The carefully selected control range of the ROHDE Pressure reducer and an easy-to-read manometer allow high reproducibility of firing processes and low energy consumption. The optimised flame plate geometry ensures low noise levels and is ideal for use in workshop applications.

Technical characteristics:
- Rated power 20 kW
- Control ratio 1:15
- Pressure range: intermediate pressure range 0.1 to 1.5 bar
- Suitable for use with butane/propane gas (LPG)
- Standard flame igniter using piezoelectric igniter
- Permanent flame control using temperature sensor
- Primary air supply handle at the burner tube for fine adjustment

**ROHDE Servo Jet natural gas burner with 20 kW burner output for ceramic kilns to 1400°C**

The Servo Jet pot burner has been specially developed by ROHDE for use with natural gas in the low pressure range up to 25 mbar. During operation, the burner requires additional compressed air that is mixed with natural gas inside the burner tube. This is a powerful natural gas burner with vertical flame adjustment for very fine adjustment using gas or air pressure. Relevant operating elements such as flame igniter, safety and control valve, primary air supply handle and stop valve are clearly arranged and easily accessible ensuring safe operation.

Power is controlled by two operating elements: air pressure reducer and gas flow meter. Easy-to-read manometers allow high reproducibility of firing processes. The improved flame plate geometry ensures low energy consumption and low noise levels.

Technical characteristics:
- Rated power 20 kW
- Control ratio 1:10
- Pressure range: low pressure range to 25 mbar
- Standard flame igniter using piezoelectric igniter
- Permanent flame control using temperature sensor

**ROHDE RAKU burner with 30 kW for Raku applications to 1150°C**

The ROHDE Intermediate pressure burner for RAKU applications features high performance with very low noise levels. Short heating rates and safe handling of gas components allow efficient firing processes with very low gas consumption.

The RAKU burner is suitable for use with propane or butane gas and gas pressure allows fine adjustment and best possible control. Relevant operating elements such as safety valve, primary air supply handle and stop valve can be accessed easily and are clearly arranged for safe operation.

The power is controlled by the ROHDE Hose connection that is mounted on the burner systems using a quick connector. The large control range of the ROHDE Pressure reducer and easy-to-read manometer allow high reproducibility of firing processes.

Technical characteristics:
- Rated power 30 kW
- Control ratio 1:15
- Pressure range: intermediate pressure range 0.1 to 1.5 bar
- Suitable for use with butane/propane gas (LPG)
- Permanent flame control using temperature sensor
- Primary air supply handle on the burner tube for fine adjustment

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**Optional accessories for gas-fired and Raku kilns**

- Digital oxygen sensor TM 100
- Oxygen probe for atmospheric measurement
- CO alarm and monitoring device
- Thermocouple NiCr/Ni or Ni 130 to 1150°C
- Castors, stable and robust
- Stainless steel hood
- Practical and easy-to-mount drying rack (KR series)
- Complete Raku kit (Raku burner, pressure control, manometer, temp. meter, thermocouple)
Delivery to a basement, second floor or through a window?
The ROHDE delivery service
ROHDE provides inexpensive, easy and safe delivery and set-up assistance for ROHDE kilns from a single source. The ROHDE delivery service provides safe on-site delivery of your kiln, including on-site instruction and initial operation by ROHDE experts if required. Full insurance from start to finish. Talk with ROHDE about your operating location.

Warranty and spare part service
ROHDE guarantees 3-year warranty (not on heating elements) on almost any ROHDE kiln and thermocouples. ROHDE and your local retailer are there for you when service is required.
ROHDE assures unlimited supply of spare parts. Spare parts are usually ready for dispatch one workday after receipt of order.
ROHDE always uses environmentally friendly materials and guarantees acceptance of each ROHDE product for recycling of reusable parts or environmentally sound disposal.

ROHDE is there for you
ROHDE is committed to personal service. Contact ROHDE by email or phone, whatever your needs. ROHDE employees are pleased to assist you at any time.
For more information, please contact your local retailer, visit the homepage or contact ROHDE directly.

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