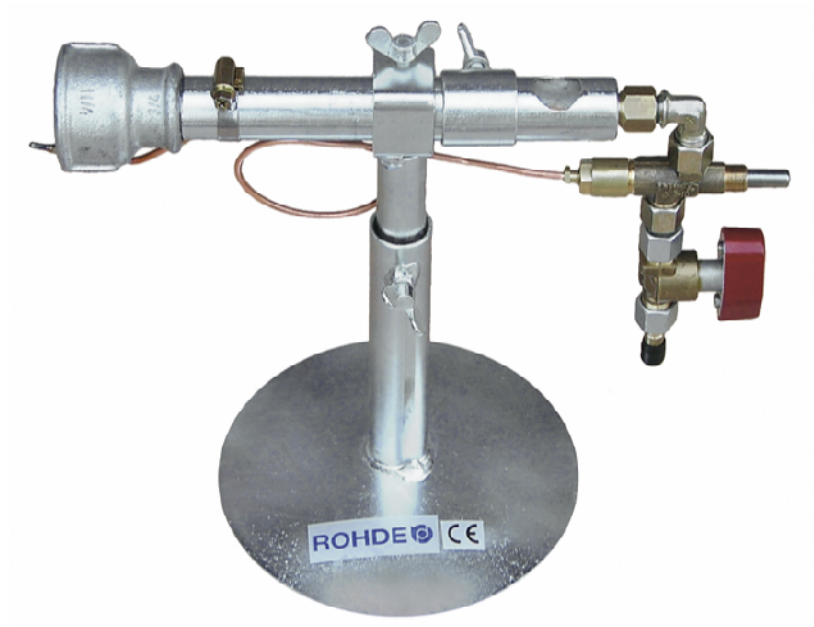


# Instruction Manual



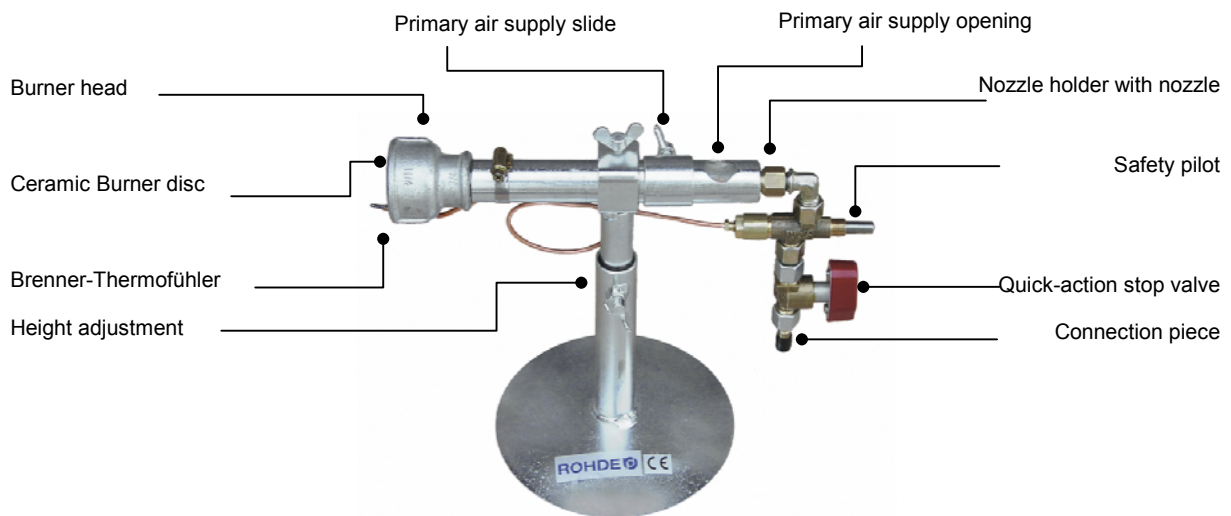
## Raku-Burner

### 1. PREFACE

You have opted for a ROHDE Raku-Burner – the Raku-Burner for professional requirements. This instruction manual will make it easy for you to get familiar with all the important functions of your new burner.

Please read the ROHDE safety instructions carefully, in order to ensure a safe operation of your burner.

## 2. OVERVIEW



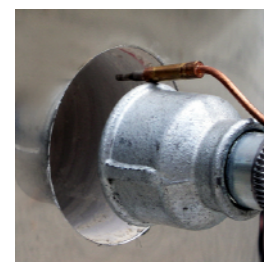
## 3. GENERAL SAFETY INSTRUCTIONS

- The Raku-Burner has to be placed on ground level on a fire-resistant surface.
- Do not place inflammable materials or objects in the proximity of the burner.
- Children should never be left unguarded near the burner.
- Repair and maintenance of the burner must be carried out by a specialist, which is authorised by the manufacturer. Maintenance of the gas supply must be carried out by a qualified **gas specialist**.
- If you are using gas cylinders you have to make sure that you are not storing or operating more than one 11 kg cylinder of propane gas in a closed room!
- For kilns with a higher performance you will require a central gas supply. This can be provided by a multi-cylinder unit (2 cylinder connection) or a gas tank. Your propane gas supplier will advise you which option is best for your specific requirements.

## 4. ASSEMBLY OF KILN

### Setting up the Raku-Burner

Please place your Raku-Burner in a distance of approximately 2 cm (picture 2) in front of the burner opening of the Raku-Kiln.



Picture 2

## 5. CONNECTING THE BURNER

### Connect the propane gas cylinder

After you have positioned the burner in front of the kiln you can remove the protection lid (picture 3) from the propane gas cylinder (PLEASE NOTE: left-handed thread!).



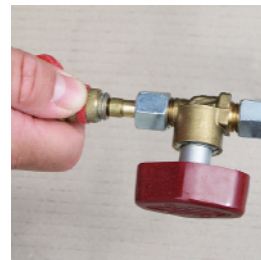
Picture 3

Now you can screw the hose connection piece onto the connection thread of the propane gas cylinder (picture 4).



Picture 4

Finally you have to install the quick-release fastener onto the connection piece of the burner (picture 5).



Picture 5

## 6. IGNITION OF BURNER UNIT

If you have connected the burner unit correctly according to the instructions above, you can now ignite the burner unit:

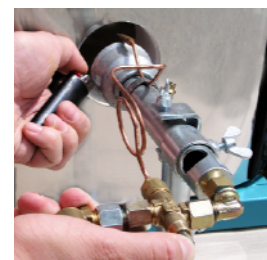
**CAUTION DANGER TO LIFE: The door of the Raku-Kiln must always be opened entirely during the ignition of the burner-unit!!!**

Open the locked valve of the propane gas cylinder (labelled at the valve head).

Regulate the pressure reducer so that it indicates 0.5 bar gas pressure. Now press the hose breakage protection briefly and the propane gas will reach the burner.

If you ignite the burner unit for the first time, the primary air supply slide should be opened entirely. In order to change its position, please loosen the wing bolt. If you have fixed the bolt in this position during the first ignition you will not have to repeat this procedure during the next firing.

Open the stop valve in the direction of the gas flow. Then press the red safety pilot button and keep it pressed in (picture 6). Now you can ignite the burner with the lighter. You might have to do this several times until the gas flame has been ignited.



Picture 6

## 7. ADJUSTMENT OF BURNER

### **Fine-adjustment of the burner-flame**

After the burner has been ignited entirely the flame can be fine-tuned. For this purpose you have to loosen the wing bolt of the primary air supply slide.

Now you can move the slide away from the air intake opening – the flame gets blue, stronger and louder.

**Result:** There is a high oxygen surplus in the kiln, the burner flame oxidises strongly.

Now try moving the air supply slide towards the air intake opening until the colour of the flame changes to green.

**Result:** The flame is calm and neutral. In this state reduction can be achieved easily – your burner operates efficiently!

**CAUTION:** Please fix the primary air supply slide with the wing bolt in the chosen position!

## 8. TIPS FOR TROUBLE SHOOTING

**The burner unit cannot be switched on.**

- Check the gas-level of the propane gas cylinder.
- Check if the stop-valve of the gas cylinder is open.
- Check if the hose breakage protection (red button) has been pressed.
- Check the position of the stop valve of the burner (in direction of gas-flow=open).

## 9. GUARANTEE REGULATIONS

We guarantee the faultless workmanship and function of the delivered Raku-Burner and grant a 36-month guarantee from date of invoice.

The following instances are excluded from the guarantee:

- Damages, which have been caused by the customer.
- The hose material of the 2-bottle connection and the hose connection experience a natural ageing process or wearout, especially when it is used outside. It has to be checked and if necessary replaced by a gas technician in regular intervals.
- Damages, which have been caused by fired material, e.g. due to exceeded temperature limits.
- Damage caused by inappropriate transport(s)
- Damages due to chemical reactions during firing for which the kiln is not designed (e.g. salt glazed ceramics)
- The manufacturer is not liable for any damage caused by inappropriate operation and resulting damages.

### **What to do in the event of guarantee/damage:**

Please notify your retailer - before any costs arise. Your retailer will then talk to us, the manufacturer, how to proceed.

**All ROHDE products are checked for functionality before it leaves our factory!**

We would like to wish you success and excellent firing results!

Your ROHDE team

**Helmut Rohde GmbH • Rosenheimer Str. 89 • D-83134 Prutting**