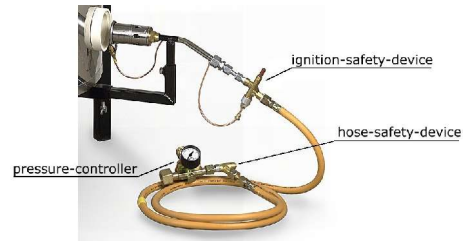


# Raku-Burner

## Instruction Manual

### 1 Installation



The Raku-Burner has to be connected to a commercial gas-tank by means of the pressure-controller. The *clamping nut(1)*(see picture next page) of this controller shall be tightened turning counter-clockwise using only one's hands. No tools are allowed, as the seal of the gas-tank may be damaged! Make sure this seal is not injured, never use additional seals! Check all junctions for leakage by means of an approved leakage-spray. Do contact your gas-dealer if there are any doubts about security of the installation! The gas-tank has to be placed upright during operation. Leaking gas shall not be able to concentrate on the ground.

The gas-hose may not get in contact with hot objects and shall not be bent sharply. Injured or brittle hoses must be exchanged immediately.

Make sure, that after use the valve of the tank is closed carefully. Repairs and maintaining of gas-installations shall only be done by authorised experts.

Never store gas-tanks inside your home or at places, that cannot be aired. Fluid-gas is heavier than air and thus concentrates in case of leakage on the ground.

Protect the gas-tank from heavy solar radiation.

In case of any disturbance immediately close down the gas-valve of the tank.\_

### 2 Starting the Burner

First loosen the *control-screw(3)* counter-clockwise completely. Now open the gas-valve of the tank and open the pressure-controller by turning the *control-screw(3)* clockwise carefully until the *pressure-gauge(6)* shows 0,5 bar.

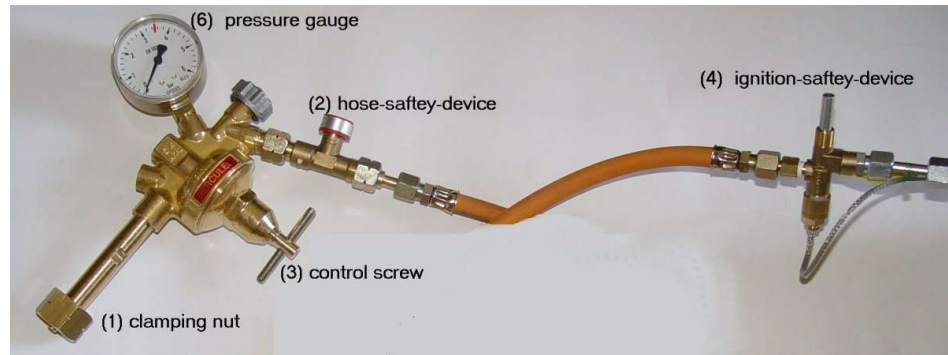
Pressure rises when turning the controller clockwise (opposite to controlling water-taps) !!

Push the knob of the *hose-safety-device(2)* once, now only the *ignition-safety-device(4)* blocks the gas-supply.

Keep the knob of the *ignition-safety-device(4)* pushed while setting on fire the gas-stream by means of a lighter. Keep it pushed for another 3 seconds. Now you may tune the pressure by turning the controller-screw

- ◆ clockwise for more
- ◆ counter-clockwise for less pressure.

Another essential parameter for the intensity of the flame is the amount of oxygen brought to the gas-stream. You may control this by changing the distance between the burner and the hole in the kiln.



### In Case of Gas-Smell:

First close valve of gas-tank **immediately**, then extinguish any open flame!

### Contents of delivery

- 1 Burner for Fluid-Gas equipped with:
- Pressure-Controller, Pressure-Gauge, Hose-Safety-Device, 2 m Hose, Ignition-Safety-Device,
- 1 Operating Manual

### Technical Data:

- Burner head-diameter: 40 mm
- Nozzle: 1,2 mm
- Gas-Supply: Fluid-Gas
- Pressure: 1,5 bar max
- Consumption at 1,5 bar ca 1,5 kg/h
- Flame-Temperature: ca 1800 °C