

# Variable air/gas ratio controls GIKH

Product brochure · GB

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- For maintaining a constant mixture of gas and air on systems using preheated air
- Design with inlet pressure compensation diaphragm ensures high control accuracy
- Adjustment of the gas flow to the air flow that varies due to the heating of the combustion air
- Variable air/gas ratio controls with differential pressure measuring unit for the control pressure
- Wide control range
- EC type-tested and certified
- Certified by Gosstandart pursuant to GOST-TR

## **Application**



The variable air/gas ratio control GIKH serves to maintain a constant gas/air pressure ratio and to control the gas pressure in systems using a recuperative air preheating system. When the burner capacity is changed and with varying combustion air temperature, the gas pressure is controlled such that the ratio (gas to cold air) remains constant.

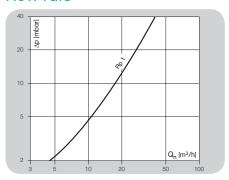
For use in systems using preheated air in the iron, steel, glass and ceramics industries, as well as in commercial heat generation, such as the packaging, paper and foodstuffs industries.

# Type code

Code	Description
GIKH	Variable air/gas ratio control
25	Nominal size
R	Rp internal thread
02	p <sub>u</sub> max. 200 mbar
-5	Pressure test point at the outlet
L*	For air only (without approval)
В	With bypass screw

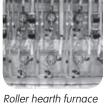
<sup>\*</sup> If "none", this letter is omitted.

### Flow rate



Bogie hearth furnace







Bogie hearth furnace

## Technical data

Gas types: natural gas, town gas, LPG (gaseous) and biologically produced methane (max. 0.02 %-by-vol.  $H_2S$ ), GIKH..L also for air. The medium must be dry in all temperature conditions and must not contain condensate.

Inlet pressure  $p_u$ : max. 200 mbar.

Differential between inlet and outlet pres-

sures: max. 100 mbar.

Ambient temperature: -20 to +60°C. Storage temperature: -20 to +40°C.

Housing: aluminium.

Valve seat and stem: aluminium.

Valve disc: plastic. Valve disc seal: NBR. Diaphragms: NBR. Bypass screw: brass.

When used for air: special version. Internal thread: Rp to ISO 7-1.

Weight: 3.4 kg.

# Maintenance cycles

At least once a year, at least twice a year in the case of biologically produced methane.



# Detailed information on this



### Contact

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