

Variable air/gas ratio controls GIKH

Product brochure · GB
2 Edition 08.12



- 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



GIKH

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.

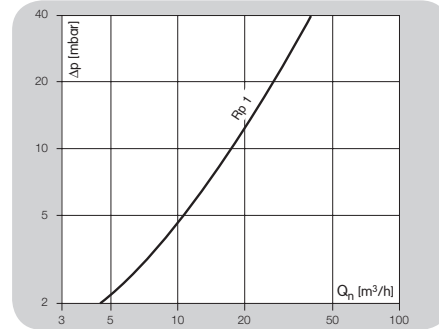
For use in systems using preheated air in the iron, steel, glass and ceramics industries, as well as in commercial heat generation, such as the packaging, paper and foodstuffs industries.

Type code

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

* If "none", this letter is omitted.

Flow rate



Technical data

Gas types: natural gas, town gas, LPG (gaseous) and biologically produced methane (max. 0.02 %-by-vol. H₂S), 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 pressures: 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.

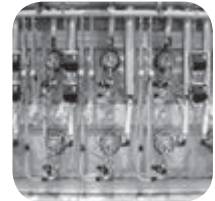
Weight: 3.4 kg.

Maintenance cycles

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



Bogie hearth furnace



Roller hearth furnace



Bogie hearth furnace

Detailed information on this product



http://docuthek.kromschroeder.com/doclib/main.php?language=1&folderid=202080&by_class=6

Contact

www.kromschroeder.com → Sales

Elster GmbH
Postfach 2809 · 49018 Osnabrück
Strothweg 1 · 49504 Lotte (Büren)
Germany

T +49 541 1214-0
F +49 541 1214-370
info@kromschroeder.com
www.kromschroeder.com

We reserve the right to make technical modifications in the interests of progress.
Copyright © 2013 Elster GmbH
All rights reserved.



elster
Kromschroeder