Gas pressure regulators VGBF

- Pressure regulators for gaseous media for installation in all types of gas appliances
- Design with inlet pressure compensation diaphragm ensures high control accuracy
- High flow rate due to optimal dimensioning
- Internal impulse on VGBF.05
- No breather line required
- EC type-tested and certified
- Certified by Gosstandart pursuant to GOST-TR
Application

The spring-loaded gas pressure regulator VGBF with inlet pressure compensation dia-
phragm and zero shut-off serves to main-
tain the set outlet pressure constant despite
changing gas flow rates and inlet pressures
in gas pipelines. Thanks to an additional
safety diaphragm, no purge line is required.
For use in gas inlet sections in all sectors of
the iron, steel, glass and ceramics industries
as well as in commercial heat generation,
such as the packaging, paper and foodstuffs
industries.

Examples of application
Flow rate

Type code

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGBF</td>
<td>Gas pressure regulator</td>
</tr>
<tr>
<td>15-150</td>
<td>Nominal size</td>
</tr>
<tr>
<td>R</td>
<td>Rp internal thread</td>
</tr>
<tr>
<td>F</td>
<td>Flange to ISO 7005</td>
</tr>
<tr>
<td>05</td>
<td>( p_u ) max. 500 mbar</td>
</tr>
<tr>
<td>10</td>
<td>( p_u ) max. 1 bar</td>
</tr>
<tr>
<td>40</td>
<td>( p_u ) max. 4 bar</td>
</tr>
<tr>
<td>-1</td>
<td>Screw plug at the inlet</td>
</tr>
<tr>
<td>-3</td>
<td>Screw plug at the inlet and outlet</td>
</tr>
<tr>
<td>L</td>
<td>For air only (without approval)</td>
</tr>
<tr>
<td>V</td>
<td>Viton equipment (without approval)</td>
</tr>
</tbody>
</table>
Technical data

Gas types: natural gas, town gas, LPG (gasous) and biologically produced methane (max. 0.02 % by vol. H₂S), VGBF.05..L also for air. The medium must be dry in all temperature conditions and must not contain condensate.

Inlet pressure range:
up to 500 mbar, 1 bar and 4 bar.

Outlet pressure ranges:
VGBF 15 – 50: 5 – 350 mbar,
VGBF 65, 150: 5 – 160 mbar,
VGBF 80, 100: 5 – 350 mbar.
VGBF..05: Class A.
VGBF..10, VGBF..40:
Accuracy Class: AC 10,
Lock-up pressure class: SG 30.

Ambient temperature:
standard: -15 to +60°C,
VGBF..L/VGBF..V: 0 to +60°C.

Storage temperature:
standard: -15 to +40°C,
VGBF..L/VGBF..V: 0 to +40°C.

Valve housing: aluminium,
valve seat and stem: aluminium.

Diaphragms:
standard: Perbunan,
VGBF..L: Perbunan, Viton,
VGBF..V: Viton.

Valve disc:
standard, VGBF..L: Perbunan,
VGBF..V: Viton.

Internal thread: Rp to ISO 7-1.
Flanged connection: PN 16 to ISO 7005.

Maintenance cycles

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