

**Pressure reducer for cylinder installations****ABOUT THIS MANUAL**

- This manual is part of the product.
- To use the device as intended and keep it warranty, please follow the instructions in this manual and pass it on to the user.
- It should be kept for the entire period of use.
- In addition to these operating instructions, regulations and legal standards must be taken into account and installation guidelines applicable in your country.

**GENERAL**

Within set limits, this product maintains a constant output pressure regardless of input pressure fluctuations and changes in flow and temperature.

This product can be connected to both a liquid gas cylinder and a tank with a connection for a large GF cylinder.

**INTENDED USE****Work factor**

- Liquid gas

**TIP**

List of working media with designation, standards and country of use can be found on the Internet at [www.gok-online.de/de/downloads/technische-dokumentation](http://www.gok-online.de/de/downloads/technische-dokumentation).

**DANGER****Leaking liquid gas is flammable!**

May cause explosion and severe burns if in direct contact with skin.

- ✓ Check the tightness of connections regularly!
- ✓ Close the installation immediately if you notice a gas smell or leak!
- ✓ Remove flammable materials and electrical devices from the vicinity of the installation!
- ✓ Observe applicable safety rules and regulations!



**ADVANTAGES AND EQUIPMENT**

The PRV valve is an automatic protection built into the reducer that protects connected consumer devices against unacceptably high pressure.

If unacceptably high pressure is created at the reducer outlet, e.g. due to solar radiation, the PRV safety exhaust valve opens and releases the excess pressure to the atmosphere. When the pressure drops, the PRV blow-off safety valve closes automatically. Reducer versions with PRV are marked with the "PRV" sign.

The reducer is factory set to a rated pressure of 37 mbar. If the connected receiver requires a different operating pressure, you can change the operating pressure using the adjustment knob with a hexagonal hole (screw clockwise). The maximum working pressure is 50 mbar. This value is secured by a locking pin.

**CONNECTORS**

<b>Entry</b>	<b>Trade name and sizes</b> <small>according to standard</small>	<b>Installation tip</b>
	KOMBI connection (hard) • with polyamide seal and nut • G.5 = W thread 21.8 x 1/14-LH	Hex key SW30
<b>Output to choose from</b>	<b>Trade name and sizes</b> <small>according to standard</small>	<b>Installation tip</b>
	Connector with internal thread • <b>H.22</b> = selectable G 1/4, G 3/8, G 1/2, G 3/4, G 1	For attaching a screw-in fitting  with O-ring.

**INSTALLATION**

Before starting installation, check the product for possible transport damage and completeness of delivery.

**ATTENTION****Functional disruptions due to contamination!**

Correct operation is not guaranteed.

- ✓ Carry out a visual inspection for any metal shavings or other residues in the joints!
- ✓ Be sure to remove metal shavings or other residues by blowing out the connectors!

**ATTENTION****Product damage due to incorrect mounting direction!**

Correct operation is not guaranteed.

- ✓ Make sure that the installation direction is consistent with the direction shown on the product housing!



**Tools**

Only use a suitable open-end wrench for assembly. Always hold the connection port. **Do not use any other tool.**

**Connections****WARNING**

**Danger of explosion, fire and suffocation due to leaking connections!**

Turning the product may cause gas leakage.

- ✓ Do not twist the product after mounting and tightening the connectors!
- ✓ Tightening the connections is only allowed when the installation is not under pressure!

**LEAK CHECK****ATTENTION****Danger of burns or fire!**

Serious skin burns or material damage.

- ✓ Do not use an open flame to check!

**Tightness check before starting**

Before starting, check the tightness of the product connections!

1. Close all shut-off valves of the gas receiving equipment.
2. Slowly open the gas intake valve on the tank or the valves on the gas cylinder.
3. Spray all joints with a foaming agent according to EN 14291 (e.g. spray for locating leaks, item no. 02 601 00).
4. Check for leaks by observing whether bubbles are forming in the foaming agent.

**TIP**

If bubbles occur, tighten the connections (see INSTALLATION).  
If the leak cannot be repaired, the product cannot be used.

**STARTUP**

Immediately after installation and TEAKNESS CHECK, the product is ready for use.

**SERVICE****ATTENTION**

Possible damage to the product due to moving the cylinder!

The liquid phase entrained as a result of moving the cylinder may lead to an increase in pressure in the installation and damage the product or the entire installation.  
Do not move the gas cylinder during operation.

**TROUBLESHOOTING**

Unusual flame.

Compare the nominal outlet pressure with the nominal inlet pressure.

ÿ If pressure values do not match, replace pressure reducer or gas receiving device.

Measure the outlet pressure; the pressure does not fit within the given limits.

ÿ Check the installation.

ÿ The pressure reducer is damaged, replace it.

Error cause Gas	Remedial actions
smell.	<p>ÿ Close the gas supply.</p> <p>ÿ Carry out a tightness check.</p> <p>You can still smell the gas.</p> <p>ÿ Turn off the liquid gas installation.</p> <p>ÿ Contact a specialized company.</p>

**REPAIR**

If the actions listed in the TROUBLESHOOTING sections do not result in a successful restart and the error is not related to the settings, the product should be sent to the manufacturer for inspection. Interventions by unauthorized persons lead to the expiration of warranty claims.

**INTERRUPTION OF OPERATION**

Close the cylinder valve and then the shut-off valves of the receiving device. If the LPG installation is not in use, all valves should be closed.

**TIP:**

To avoid gas leakage, all free gas connections in the installation must be tightly closed using a suitable closure.

**GUARANTEE**

For this product, we guarantee proper functioning and tightness within the legally specified period. The warranty period begins with the delivery of the goods to the customer. The scope of warranty services is specified in section "§ 8 Limitation provisions" of our delivery terms and conditions.

**UTILIZATION**

**For the sake of the environment, do not throw our products into household waste.**

Please return your used product to your local waste or recycling center.

**TECHNICAL DATA**

Working medium	Liquid gas according to DIN 51622 / EN 589		
Inlet pressure Max.	1-16 bar	Rated pressure exit south	37 mbar or 50 mbar
permissible pressure PS 16 bar			
Nominal flow Mg	6kg/h	Pressure PRV 150 mbar	

**TIP**

Further technical data or individual settings: see product nameplate!