



## Operation instructions

Read this manual thoroughly before use



### 1. Intended use and operation purpose

The GOV REG™ is a secondary pressure regulator for the adjustment respectively reduction of the operating pressure using modified cutting-edge technology from the medical field.

It is made from best stainless steel 1.4035. SK – certification: 440-002.

In order to use the gas from the gas bottle, the high pressure in the bottle (up to 230 bar) must be reduced with a primary pressure reducer, fitted with a safety valve, to the permitted operation pressure, max. 3 bar for beer and max. 7 bar for soda water/non-alcoholic beverages.

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Beachten Sie bitte folgende Sicherheitshinweise, bevor Sie den GOV REG™ verwenden, um Gefahren und Schäden zu vermeiden:

#### 1.1. General safety instructions

- The equipment may only be operated in perfect condition.
- Only use parts or tubes, which are approved for the maximum operating pressure (3 bar / 7 bar) of the system.
- Keep the workplace and the equipment clean and use only equipment which is intended for the respective operation purpose.
- Note that the device is under pressure when installed. No parts under pressure may be detached or dismantled.
- It is imperative that you understand and are aware of the properties and risks of using gases and understand these, so that in emergencies you can take the appropriate measures.
- Warning: If you are working with pressurized equipment or equipment that is intended for use with gases, you should always follow the relevant safety instructions in order to avoid personal injury and damage to property.

Outgoing gases can lead to suffocation hazard in case of larger accumulations in closed rooms. Ensure that the rooms are adequately and sufficiently ventilated. Note the room volume. A risk assessment must always be performed. If a leak is found, have the room cleared and ventilated. If possible, close the shut-off valve on the main pressure reducer or the gas supply

- Please observe all regulations and safety instructions for the installation of compressed gas containers.
- If you would like to know more about the safety and use of the gas container, please contact your gas supplier.

#### 1.2. Safety Instructions for the GOV REG™

- Inspect the device regularly for damage, do not dismantle or modify the device. Any changes that affect the safety of the device are strictly prohibited.
- The GOV REG™ can be used with various gases (see technical data page 2), only use gases that are approved for the operation of your system.
- The piston-based design does not clog, but do not insert any media into the GOV REG™, or never insert any.
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## 2. Technical data and characteristics

The GOV REG™ is designed and available exclusively as secondary (intermediate) pressure regulator.

- The GOV REG™ is suitable for CO<sub>2</sub>, argon, O<sub>2</sub>, N<sub>2</sub> and mixed gases.
- Attention: Only use the gases approved for your system!  
O<sub>2</sub>, for example, is not authorised for serving beer/dispensing beer.
- The GOV REG™ controls a constant equal pressure output.
- 1 standard version is currently available:  
GOV REG™ B with pressure regulation from 0.3 to 3.1 bar for beer.  
Attention: The maximum permissible operating pressure for the main pressure reducing valve at Beer tapping systems amounts to 3 bar. Only use model B in conjunction with it.
- The GOV REG™ is very compact and robustly designed from stainless steel:
  - No built-in indicators / pressure gauges as possible cause for cracks or leaks
  - Corrosion resistant construction
  - Nevertheless, please do not drop, step on or hang heavy objects on the GOV REG™!
- No wall mounting required due to simple inline installation.
- The piston-based design does not clog.

### 2.1. Connections

- On the input side the GOV REG™ has a G 1/4" male thread, for the input side various adapters are optionally available, see below. In addition, common Speedfit connectors are already available on the market.
- The output side can be mounted as required with mounting nuts with a passage of at least 16.5 mm. The following nuts are available for common connections in the beverage industry: hexagon and wing nuts with 1/2", 5/8" and 3/4" internal threads.



Input side G 1/4"  
available adapters:



Example of mounting output side:  
mounted with 5/8" nut by means of an  
adapter at the input side of a quick coupling



Female thread  
1/4" to  
spout with OD  
4,5 mm



Female thread  
1/4" to  
spout with OD  
7,2 mm



Female thread  
1/4" to  
male thread  
1/2"-16 UNF





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### 3. Assembly and initial operation

For use in the beverage industry, the gases used must comply with the specifications of the beverage industry.

The GOV REG™ is designed to save space and can be installed inline due to its size and design, examples:

- For pump applications at the inlet side of the pumps
- Or for beer e.g. directly at the keg coupler thread, see pictures below.
- The GOV REG™ can be mounted directly in components with a G 1/4" female thread at the outlet.



mounted at tapping head gas inlet



mounted inline at a  
5/8" thread transition

#### 3.1. Procedure

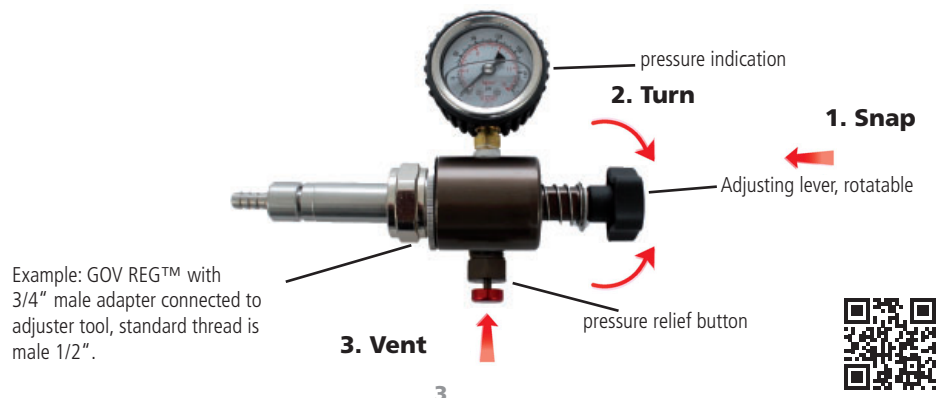
1. Close the gas supply for the corresponding pipe.
2. Mount the GOV REG™ at the desired position of the gas supply of the installation.
3. If necessary, use the adapters for the input side and the corresponding nut on the output side.
4. Adjust the corresponding gas pressure with the adjustment tool (see point 4), connect the line to the output of the GOV REG™ and restore the gas supply.
5. Check the connections for leaks. You can also immerse the GOV REG™ in water for this purpose.
6. Put the line into operation.

### 4. Gas pressure setting

Use the adjuster tool to adjust the gas pressure. To do this, connect it to the output of the GOV REG™. If necessary, use the adapters of the adjustment tool for the corresponding thread size of the mounted nut. After setting the pressure, the set value is output constantly.

To change the pressure setting, repeat the steps in section 4.2. on page 4.

#### 4.1. The adjuster tool





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### 4.2. Pressure setting

1. If the GOV REG™ is already connected / under pressure, close the gas supply, mount the adjustment tool on the GOV REG™ output (see illustration on page 3, item 4.1.).
2. Restore the gas supply, the pressure display will show the set output pressure. Various gauges with different scales are available, the use of own manometers is forbidden.
3. Change the pressure by operating the adjustment lever: see numbering with the red arrows on p. 3. First press in the adjustment lever (1.) so that the adjustment tool engages in the GOV REG™. In the original starting position you can turn the lever, but without effect, it must be locked for adjustment, you feel this through a resistance.  
Now you can adjust the pressure by turning (2.):
  - clockwise: pressure increase
  - counterclockwise: pressure reduction
4. Turn the lever only at short intervals, after each turn of the lever, press the pressure load button (3.) to vent the air: this immediately displays the currently set pressure.
5. Attention: By pressing the pressure relief button on the adjustment tool, gas flows out, keep it pressed at very short intervals only for adjustment. This is sufficient for adjustment.
6. Repeat the process until you have set the desired pressure.
7. Close the gas supply, mount the GOV REG™ in the system again.
8. Restore the gas supply. The GOV REG™ will output the previously set pressure.
9. Note the output pressure on the supplied badge and attach it to the GOV REG™.



badge picture

Application videos can be found at [www.misa.de/govreg](http://www.misa.de/govreg). You will find the QR code at the bottom right of each page of this guide for quick access.

### 5. Cleaning & testing

Always keep the equipment clean to ensure optimum and safe operation.

You can clean the GOV REG™ also when installed.

- Clean the exterior of the GOV REG™ with a damp cloth. The GOV REG™ can alternatively be submerged in hot water.
- The GOV REG™ does not clog and must not be dismantled or modified.
- You can immerse the GOV REG™ in water when installed to check for leaks.  
Example: mounted on the tapping head, immersed in water in a bucket up to the tapping head connection.
- Contact your supplier in case of problems or damage.

### 6. Warranty

Constructional changes and improper installation contrary to these instructions and our other notices can lead to serious injuries to the body and health of the user.

Further processing of the products contrary to their intended use is not permitted. End product manufacturers and users must ensure that when using our products all necessary legal and official regulations are observed and complied with, in particular with regard to the manufacture of the end product, installation and customer advice.

MISA-Vertriebs GmbH or its sales partners are not liable for any damage caused by improper actions. Always return the product to your supplier if malfunctions or damage occur. Repairs or replacement of defective parts may only be carried out by qualified personnel. Furthermore, the general terms and conditions of MISA-Vertriebs GmbH apply.

### 7. Declaration of material conformity

All materials and parts used in the GOV REG™ are approved for use in contact with food, so food in contact with the GOV REG™ is safe for human consumption.

