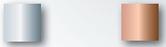




3.7

Pressure reducing valves

Materials



Temperatures



from -40°C to +120°C

Pressures

Inlet pressure up to 60 bar,
Outlet pressure adjustable

Media



Threaded connection



from G ¼" to G 2"

Flange connection



from DN 15 to DN 100

Pressure reducing valves from the Goetze KG are available in a wide range of sizes, in order to offer the right solution for a wide variety of applications and connection types. Whether stainless steel or gunmetal in all-metal design. Flange- or threaded connection, you will find that we can offer you the optimum combination for your application.

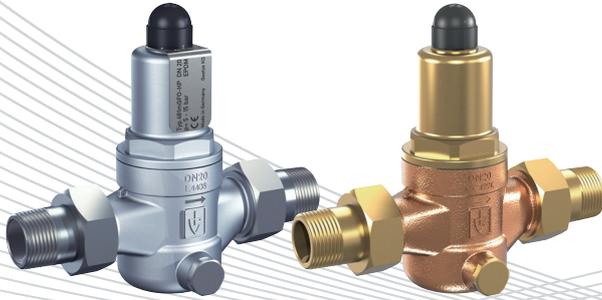
Our pressure reducing valves are suitable for applications involving water up to 120°C, compressed air, neutral gases and non-adhesive liquids. Furthermore, they can easily be used in commercial, industrial and private applications. A special feature is the simple handling in case of servicing or repair. The complete set of functional parts, in the form of a valve cartridge can be replaced or cleaned without removal of the valve itself.

Industries which rely on Goetze valves

- Industrial applications
- Chemical plants
- Process equipment construction
- Building technology
- Shipbuilding
- Snow-making equipment
- Fire-fighting equipment
- Hydraulic control systems
- Sprinkler systems

➤ **SNOW-MAKING
EQUIPMENT**➤ **SHIPBUILDING**➤ **HYDRAULIC CONTROL
SYSTEMS**➤ **SPRINKLER SYSTEMS**

3.7 Pressure reducing valves



Pressure reducing valves Series 481 and 681

made of stainless steel and gunmetal
with threaded connections

Neutral



Non-neutral



Gastight

Bellows

Diaphragm



MEDIA:

LIQUID

GAS

The proven, robust pressure reducing valves in full-metal-version with threaded connectors have not only proven themselves in drinking water application, but especially also in rough industrial operating conditions with many different, also aggressive substances and at fluctuating environmental temperatures. The materials used are optimised for water of different qualities and for warm water applications. Besides the standard range of adjustment of 1 to 8 bar the additional outlet pressure ranges of 0.5 bar to 2 bar and 5 bar to 15 bar cover a wide application range. Optionally available with female thread.



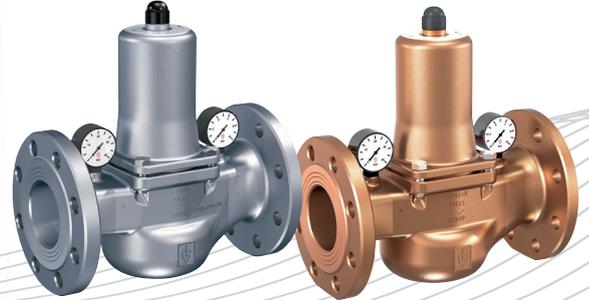
Threaded connections
from G ½" to G 2"



Temperatures
from -10 °C to +95 °C



Inlet pressure up to 40 bar
Outlet pressure adjustable
from 0.5 bar to 15 bar



Pressure reducing valves Series 482 and 682

made of stainless steel and gunmetal
with flange connections



Fittings often require flange connections. This is the exact reason for our series in the nominal diameter ranges of DN15 to DN80, series 682 up to DN100. Besides the standard versions of these pressure reducing valves made of stainless steel and gunmetal, the valves are also available in nominal diameters from DN20 to DN50 in high-pressure and a low-pressure version. Upon request we can also equip the stainless steel pressure reducing valves for various pressure ranges with stainless steel pressure gauges. For highest service-friendliness also in the case of the flange versions, a replacement internal cartridge with integrated dirt trap is available.



Flange connections
from DN 15 to DN 100



Temperatures
from -10 °C to +95 °C



Inlet pressure up to 40 bar
Outlet pressure adjustable
from 0.5 bar to 15 bar



Pressure reducing valves Series 683

made of gunmetal, with female threaded connections

Pressure reducing valves Series 484

made of stainless steel, with female threaded connections

Pressure reducing valves Series 684

made of gunmetal, with female threaded connections

<input type="checkbox"/>

<input checked="" type="checkbox"/>	<input type="checkbox"/>

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This pressure reducing valve is an alternative to the larger versions, in cases where only small flow volumes are required or the medium in question is compressed air. With an outlet pressure of max. 50 bar the pressure reducing valve is used, for example, to control the starter air on ships. It goes without saying, that it holds all the necessary marine approvals of the various bodies such as Germanischer Lloyd etc. This valve is used in many industrial applications particularly for compressed air and neutral gases.

These diaphragm and piston pressure reducing valves made of stainless steel and with female threaded connections for pneumatic and hydraulic applications are distinguished particularly by high flow rates and low pressure losses even in situations of high performance demands. Their extremely precise control characteristics, the inlet pressure of up to 60 bar and the wide outlet pressure range make these pressure reducing valves the optimal solution for almost all technically demanding applications.

All characteristics and technical features of the stainless steel versions also apply to the series 684 made of corrosion-resistant gunmetal. The fully relieved valves which therefore even out inlet pressure variations are available with and without secondary venting and each in a diaphragm or a piston version. Pressure adjustment is carried out without tools via the ergonomically formed hand-wheel. The extremely small pressure loss in the pressure adjusting area leads to these high-performance pressure reducing valves having almost no competition.

 **Threaded connections**
from G 3/8" to G 1 1/4"

 **Threaded connections**
from G 1/4" to G 2"

 **Threaded connections**
from G 1/4" to G 2"

 **Temperatures**
from -10 °C to +95 °C

 **Temperatures**
from -40 °C to +120 °C

 **Temperatures**
from -40 °C to +120 °C

 **Inlet pressures** up to 50 bar
Outlet pressures adjustable from 1.5 bar to 10 bar

 **Inlet pressures** up to 60 bar
Outlet pressures adjustable from 0,5 bar to 50 bar

 **Inlet pressures** up to 60 bar
Outlet pressures adjustable from 0,5 bar to 50 bar