

Pressure Regulating Valve 6203

Proportionally operating pressure regulating valve for industrial applications

3



Field of application

The SYR pressure regulating valve type 6203 is used to regulate the pressure in industrial installations and apparatuses with media in accordance with the given specifications. As proportionally working pressure regulating valve, it prevents an excessive

pressure increase in the system located upstream by opening in proportion to the rising pressure. The design of the pressure regulating valve type 6203 allows to install it in drain or return pipes of longer size where back pressures can occur.

Design

The pressure regulating valve type 6203 is designed as a proportionally operating diaphragm controlled valve. It is equipped with an outlet pressure indicator that displays the set pressure. As a result, an additional pressure gauge is not necessary. The spring cap is rotatable by 360°, so that the pressure indicator is always visible. The pressure regulating valve type 6203 is equipped

with a coaxially arranged strainer (mesh width: 0.25 mm). The operational parts of the system are placed in a car-tridge; this complete unit can be exchanged without disassembling the whole valve and without using special tools; when disassembling the cartridge the outlet pressure setting remains unchanged. The special car-tridge design allows any mounting position.

Materials

The body and the captive nut are made of a low-lead dezincification resistant gunmetal alloy. All rubber parts are made of ageing resistant elastomer. The diaphragm is re-inforced and the high resistance of the screw cap is due to glass fibre

reinforced synthetic material. The sealing elements are made of heat and ageing resistant elastomer. The spring is made of corrosion protected spring steel wire.

Installation

The connection size depends on the required flow rate capacity. A pressure regulating valve works without auxiliary energy with very little adjustment

forces and therefore it reacts sensitively to impurities. A filter installed upstream effectively protects the pressure regulating valve type 6203.

Thoroughly rinse the pipe prior to installation. Install the SYR pressure regulating valve type in the pipe under consideration of the flow direction (see arrow on the body) without applying stresses.

Afterwards, turn the head part without loosening the captive nut, so that the green outlet pressure indicator becomes visible.

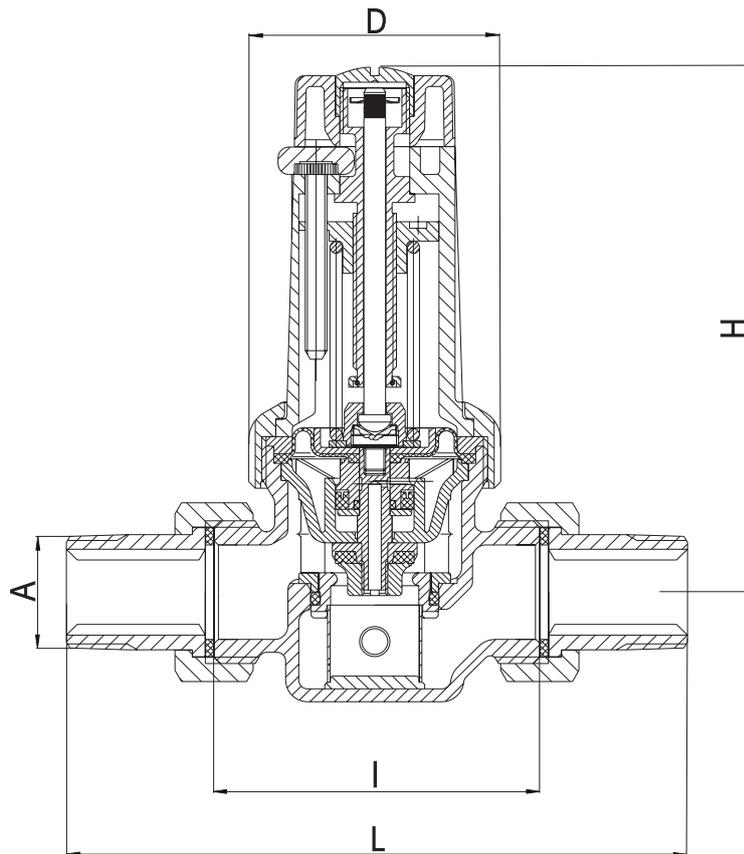
Technical data

Operating overpressure:	max. 25 bar
Outlet pressure:	type 6203.1: 1.5 bis 5 bar type 6203.2: 5 - 8 bar
Operating temperature:	max. 110°C
Mounting position:	any
Fluid:	water, compressed air, neutral fluids, oil-free air, neutral gases
Certification:	CE 0085
Serial number:	6203...

Maintenance

Depending on the use, the valve can be adjusted to the opening pressure or to a desired system pressure occurring at maximum flow rate. For doing so, loosen the safety screw in the adjustment handle. The requested pressure is set with a flick of the wrist. With the well-contrived combined adjustment-display handle, the pressure regulating valve not only ensures an optimal pressure but also allows to read the set pressure without an additional pressure gauge. To reduce the outlet pressure,

turn the adjustment handle in the direction of the minus symbol (-), to increase it, turn the adjustment handle in the direction of the plus symbol (+). According to the operating conditions, it is necessary to carry out maintenance works on a regular basis. The perfected design of the cartridge system allows to exchange and service the operational part of the pressure regulating valve without having to disassemble the whole valve and without using special tools.



Nominal size		DN 15	DN 20	DN 25	DN 32
	A	G 1/2	G 3/4	G 1	G 1 1/4
Dimensions in mm	L (mm)	132	143	161	190
	I (mm)	75	75	87	105
	H (mm)	123	123	121	176
	D (mm)	58	58	58	KW* 75

* Key width

Components / Order numbers

①

Cartridge of pressure regulating valve with outlet pressure indicator

1,5 - 5 bar

DN 15 + 20	6203.15.903
DN 25	6203.25.903
DN 32 - 50	6203.32.903

5 - 8 bar

DN 15 + 20	6203.15.904
DN 25	6203.25.904
DN 32 - 50	6203.32.904

②

Body

③

Threaded union and seal

DN 15	0812.15.900
DN 20	0812.20.900
DN 25	0812.25.900

