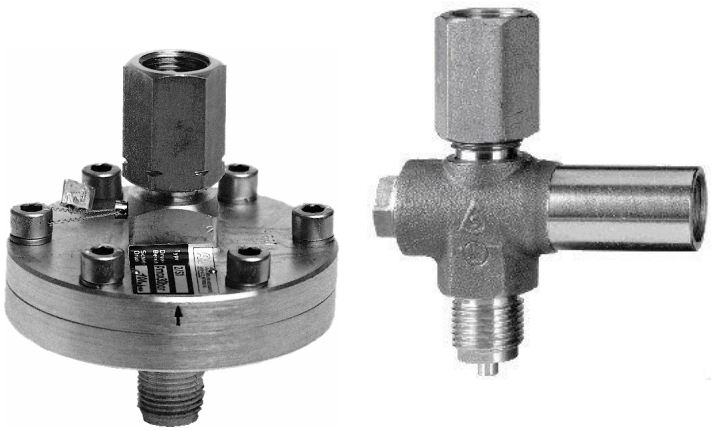
Overpressure protector



Description

Many applications require the measurement and/or evaluation of the lower part of a wide pressure range, or a protection against short pressure peaks which may considerably exceed the operating pressure range. The overpressure protector is used in such applications. Various ranges are available, the desired pressure is easily set. Materials from CuZn (Brass) to stainless steel.
Applications up to max. 80°C.

Operation

When the pressure set with a screwdriver is attained, the duct leading to the pressure gauge is closed by a piston to protect the gague against overloads. When the pressure drops again, the piston opens the duct at a pressure of 15 to 25 % below the set pressure.

Special features

- Connections G 1/2
- Reliable overpressure protection
- Simple use
- Material CuZn (Brass) or stainless steel
- Viton® [1] seals
- High max. load (see list of types)
- Option: DVGW version

List of types

Adjustment range	Connections Female -Male	Material: CuZn (Brass) Article no.	max. load [bar]	Material: Stainless steel Article no.	max. load [bar]
10 ... 700 mbar	G½ - G½ A	A1316X010001	30	A1316X010011	100
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0.4 ... 2.5 bar	G½ - G½ A	A1316X020001	400	A1316X020011	400
	½NPT - ½NPT	--		A1316X020017	
2 ... 6 bar	G½ - G½ A	A1316X020002	600	A1316X020012	1000
	½NPT - ½NPT	--		A1316X020018	
5 ... 25 bar	G½ - G½ A	A1316X020003		A1316X020013	
	½NPT - ½NPT	--		A1316X020020	
20 ... 60 bar	G½ - G½ A	A1316X020004		A1316X020014	
	½NPT - ½NPT	--		A1316X020021	
50 ... 250 bar	G½ - G½ A	A1316X020005		A1316X020015	
	½NPT - ½NPT	--		A1316X020022	
240 ... 400 bar	G½ - G½ A	A1316X020006		A1316X020016	
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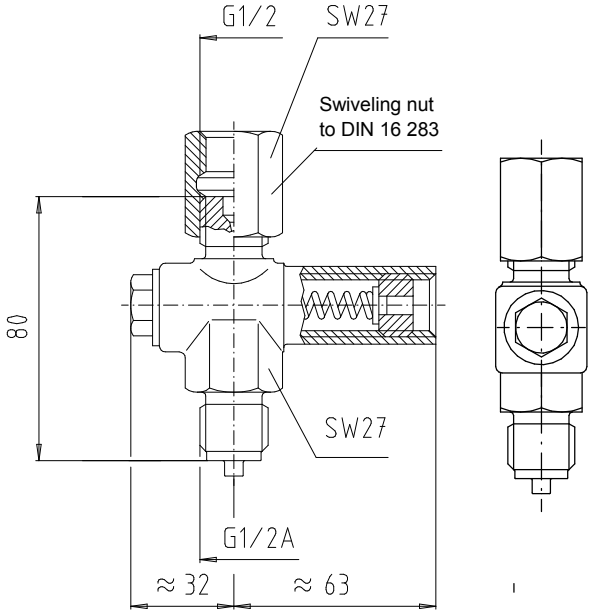
[1] Viton® fluoroelastomer, a product of DuPont Dow Elastomer

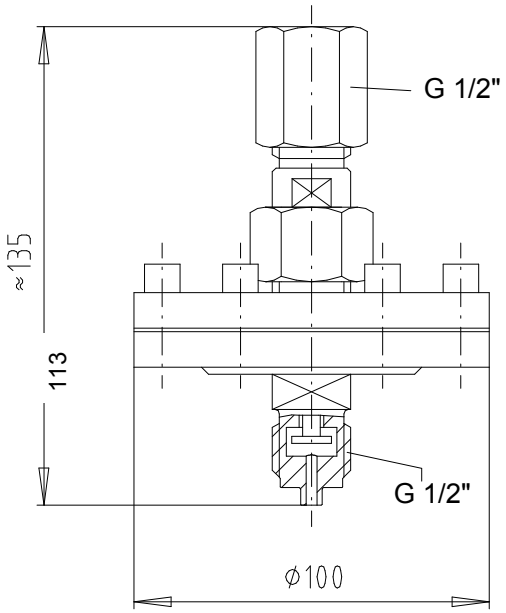
Model: A1316

Dimensions

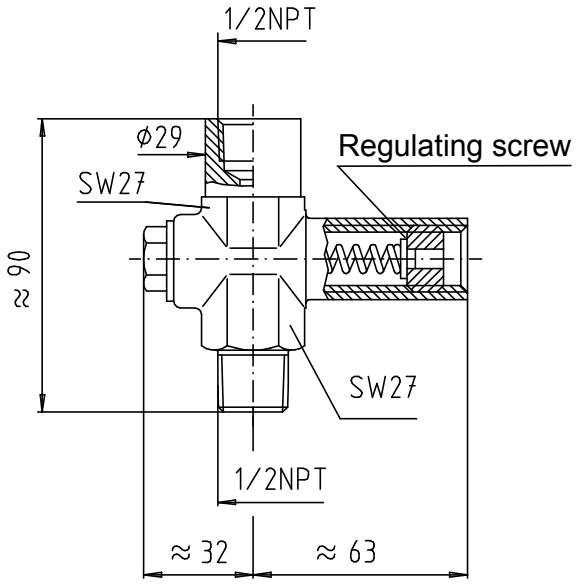
Model no.: A1316X020001, 002, 003, 004, 005, 006
A1316X020011, 012, 013, 014, 015,



Model no.: A1316X010001 / -011



Model no.: A1316X020017, 018, 020, 021, 022



Operating instructions

for overpressure protector model A1316X020.

After unscrewing the security device (headless screw) the adjustment to the highest permissible pressure (blow-down pressure) has to be realized by using the adjusting screw.

By screwing in the adjusting screw the pressure is increased, by screwing out the pressure is reduced. Afterwards the security device (headless screw) has to be fixed again.

The valve opens again by undershooting the adjusted pressure by 15 - 20%. The overpressure protector is not suitable for control or automation tasks or as controller, but only for protection purposes!

Subject to technical alternations