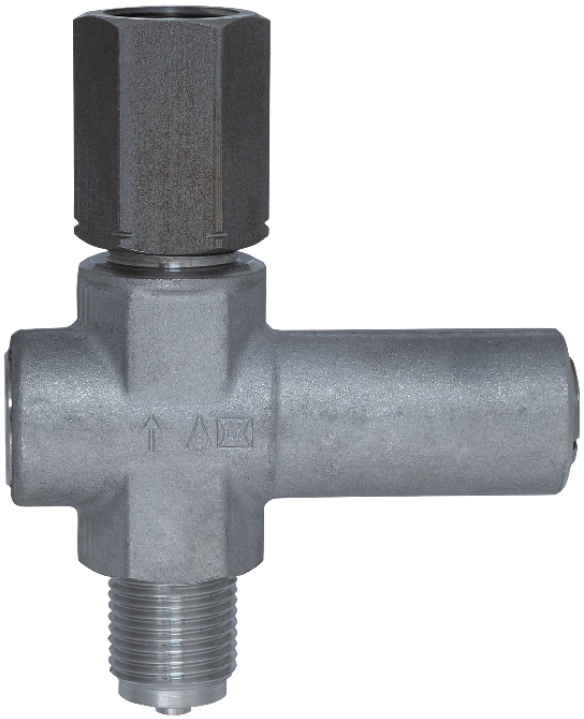


Overpressure safety device

Part no. 63143

Application

Adjustable overpressure safety device used to protect the system against peak pressures exceeding the range of the pressure gauge. At measuring points which are subject to great pressure variations, you can install different pressure gauges with different ranges in order to precisely measure even the lower pressures. The overpressure safety devices are adjusted according to the maximum pressure ratings of the various pressure gauges installed.

Technical Specifications

Function
When the set pressure is reached, a piston valve blocks the port to the pressure gauge. After the pressure has dropped to a value of approx. 25 % below the closing pressure, the valve opens again.

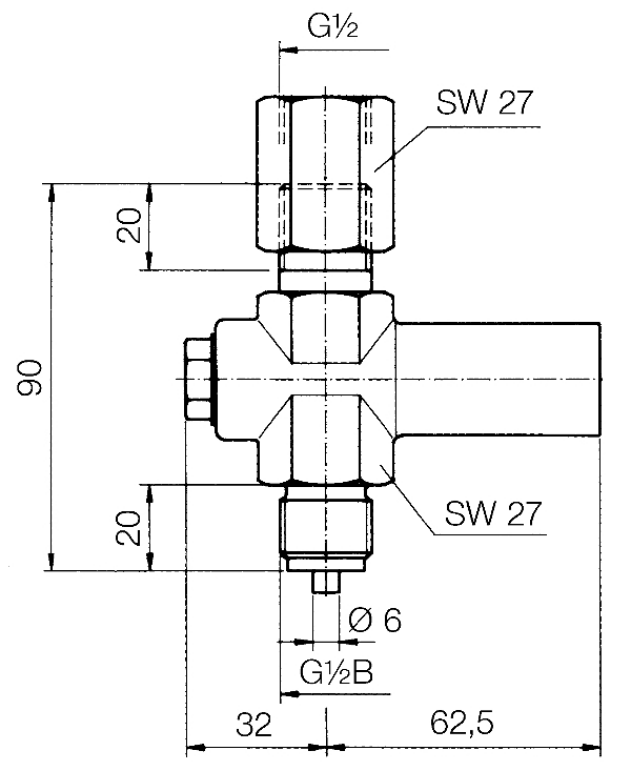
Operating temperature range
max. 80 °C

Overpressure safety
Stainless steel 316 Ti
1000 bar
Max. vacuum range up to -1 bar, no adjustment function

Connection
G½ female/female connection x male

material
Housing: Stainless steel 316 Ti
piston: Stainless steel 316 Ti
Female/female connection: Stainless steel 303
diaphragm: FKM (Viton)
O ring: FKM (Viton)

Technical Drawings



Dimensions (mm)

Versions

	Type	Connection	Adjustment range	material		Part no.
	Overpressure safety device female/female connection x male	G½	50/250 bar	Stainless steel 316 Ti	○	63143

● in-stock items

○ Non-stock items