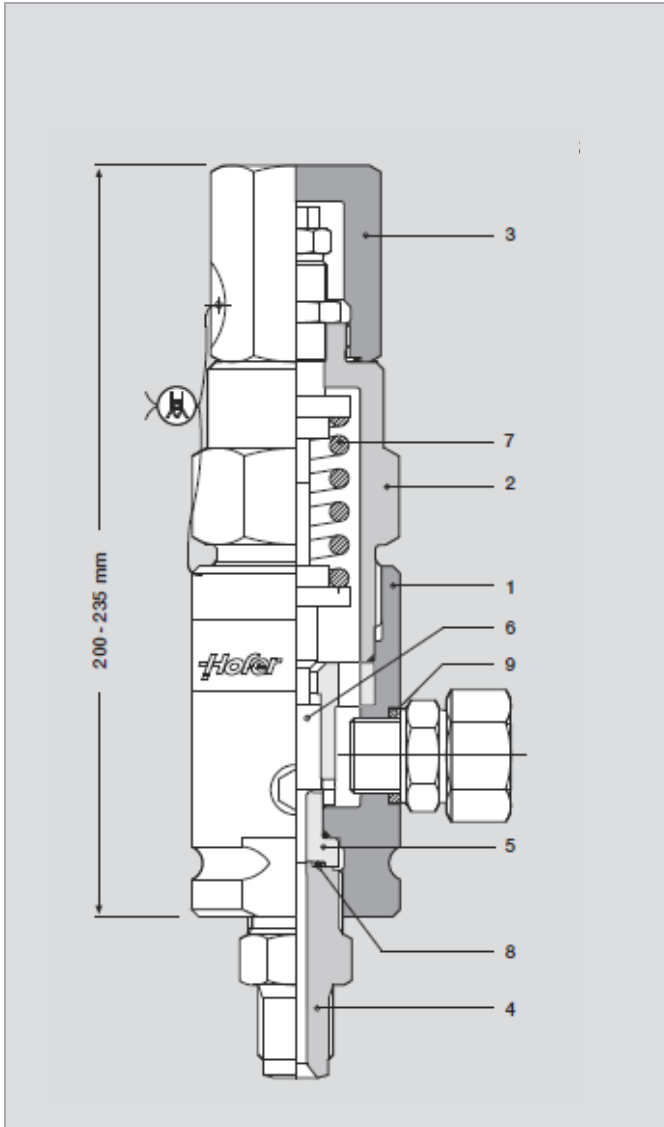


METRIC CONVERSIONS:
1 bar = 14.5 psi
°F = (°C * 1.8) + 32

General Information

- CE-marking
- for vapors and gases
- pressure equipment directive 97/23/EC
- exchangeable seat and cone
- lifting device



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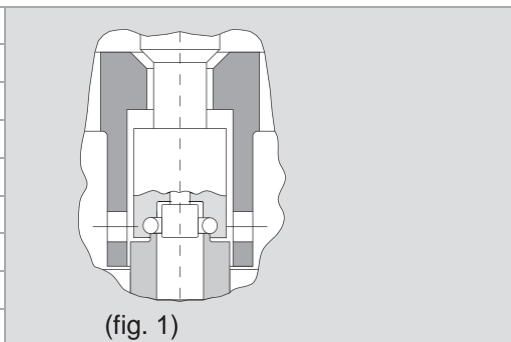
Technical Data

flow coefficient:	α _w = 0,28
set pressure range:	50 to 525 bar
temperature range*:	- 60° to +200° C
seat-cone-seal:	metal / TFE
smallest flow diameter:	6 mm
tolerance of set pressure:	± 3% (> 100 bar ± 2%)
tolerance of reseal pressure:	≤ 10% of set pressure
leakage:	< 10 ⁻⁶ mbar l/s

Elastic Seat Sealing (figure 1)

This elastic seat sealing (TFE) is preferred where a high tightness is required (e.g. explosive, toxic, expensive gases) or for carbon dioxide service (CO₂).

1	body	1.4571
2	bonnet	1.4571
3	cap	1.4571
4	adapter inlet	1.4571
5	seat	1.4571
6	cone with O-ring	1.4571 / PTFE
7	spring	1.4310
8	seal Inlet	PTFE
9	seal outlet	1.1003



METRIC CONVERSIONS:
1 bar = 14.5 psi
°F = (°C* 1.8) + 32

Example

674 . A . 12 . 303 . 51 . 2 | 4

- Lifting Device
- Set Pressure Range
- Connection Inlet
- Connection Outlet
- Material Outlet
- Cone Seal

Lifting Device

with	A
without	—

Set Pressure Range

50 - 80 bar	08
80 - 125 bar	09
125 - 155 bar	10
155 - 190 bar	11
190 - 245 bar	12
245 - 315 bar	13
315 - 390 bar	14
390 - 525 bar	15

Connection Inlet

male thread G 1/2 A technical gases	PN	186
female thread 3/8"-18 NPT	PN	275
HOFER pivot G 1/2 A	PN	303
female thread G 1/2 for HOFER pivot	PN	313
HOFER block for tube 10 x 2	PN	334
HOFER block for tube 14 x 2,5	PN	339

Connection Outlet

tube fitting DL18 DIN 2353	PN	51
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Material Outlet

carbon steel	-40 ...	1
stainless steel 1.4571	-60 ...	2

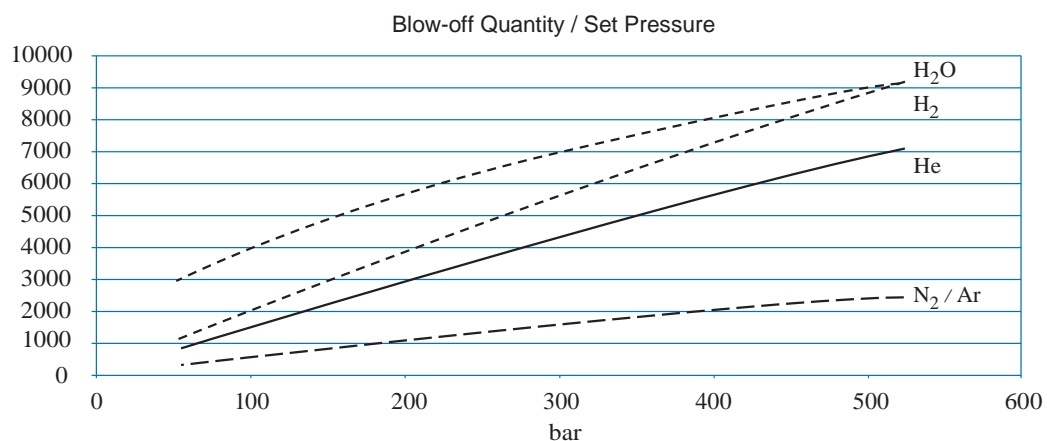
Cone Seal

PTFE	TFE	4
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Notes

In addition to the standard versions we also offer various customized solutions for our valves and end connections (e.g. EO, Dilo, Swagelok, A-Lok, Hoke, IG-standard, flanges, etc.). Please don't hesitate to ask for further information.

Flow Chart



Technical Information

After responding within a maximum overpressure of 10 %, these safety valves achieve the stroke required for the mass flow to be discharged.

The total system design must be considered to ensure safe performance. Component function, material compatibilities, adequate ratings, proper installation, operation and maintenance are the responsibilities of the system user and designer.