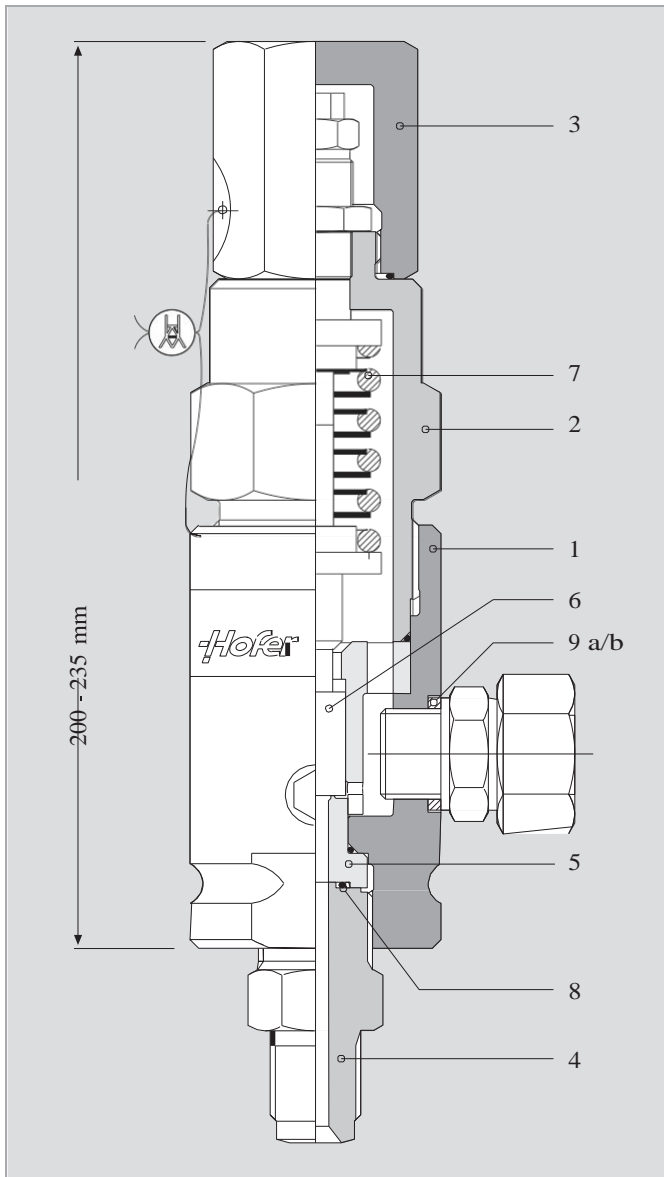


METRIC CONVERSIONS:

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



TÜV . SV . 99-724 . 6 . D/G . α_w . p  0044

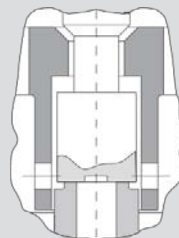
Technical Data

flow coefficient:	α _w - 0,46
set pressure range:	100 to 720 bar
temperature range*:	- 60° to +400° C
seat-cone-seal:	metal / metal
smallest flow diameter:	6 mm
tolerance of set pressure:	± 2%
tolerance of reseal pressure:	≤ 10% of set pressure
leakage:	< 10 ⁻⁴ mbar l/s

Metal Seat Sealing (stellite) (figure 1)

This metal to metal stellite seat sealing is generally used for oxygen service (O₂) and also where elastomers or plastic seat sealings are not applicable due to reasons of chemical resistance or temperature load.

1	body	1.4571
2	bonnet	1.4571
3	cap	1.4571
4	adapter inlet	1.4571
5	seat	1.4571
6	cone	1.4571
7	spring	1.4310
8	seal Inlet	321 SS-SP
9a	seal outlet	1.1003
9b	seal outlet	Cu for O ₂



(fig. 1)

METRIC CONVERSIONS:

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

Example

672 . A . 10 . 303 . 51 . 2 | S

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

Lifting Device

with	A
without	-

O₂ OXY

Set Pressure Range

100 - 115 bar	07
115 - 180 bar	08
180 - 285 bar	09
285 - 365 bar	10
365 - 455 bar	11
455 - 570 bar	12
570 - 720 bar	13

Connection Inlet

male thread G 1/2 A technical gases	PN 400	186
female thread 3/8"-18 NPT	PN 500	275
HOFER pivot G 1/2 A	PN 1100	303
female thread G 1/2 for HOFER pivot	PN 1100	313
HOFER block for tube 10 x 2	PN 1100	334
HOFER block for tube 14 x 2,5	PN 1100	339

Connection Outlet

tube fitting DL18 DIN 2353	PN 160	51
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Material Outlet

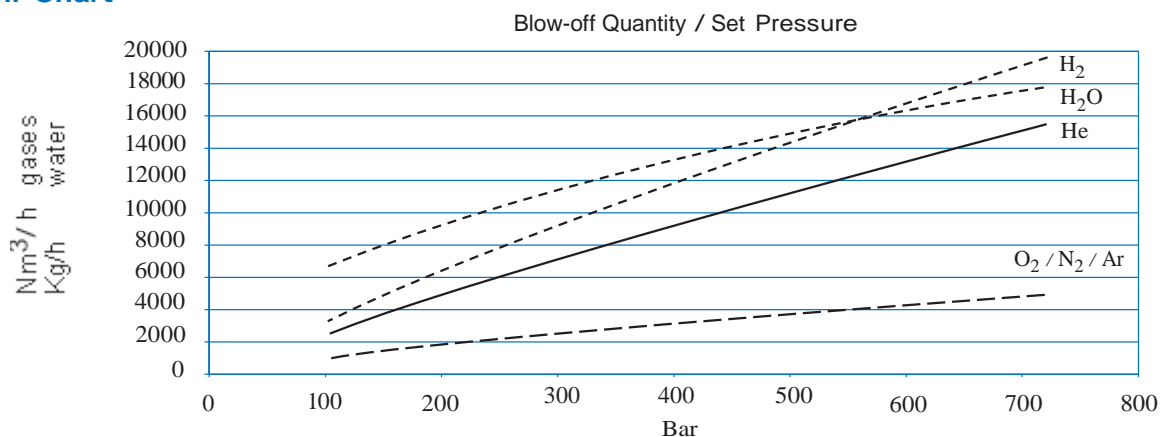
carbon steel	-40 ... +120° C	1
stainless steel 1.4571 (obligatory for O ₂)	-60 ... +200° C	2

Cone Seal

metal (stellite)	S
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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.