

Low opening pressure.

Connections for fixed or mobile gas lines.

Please read and follow these safety instructions:

The STÖHR product catalogue, checklists, our sales personnel and our sales representatives will assist you in identifying and selecting your valve. The decision regarding a special valve type to choose as well as the proper installation, commissioning, operation and maintenance is, however, the responsibility of the system designer and user. The valve function, the type of sealing, material compatibility, operating pressure, operating temperature and the system environment must be taken into account.

STÖHR valves

Blast

Small Flange Pressure

Relief Valve 100 – 1000 mbar 64

Small Flange Pressure

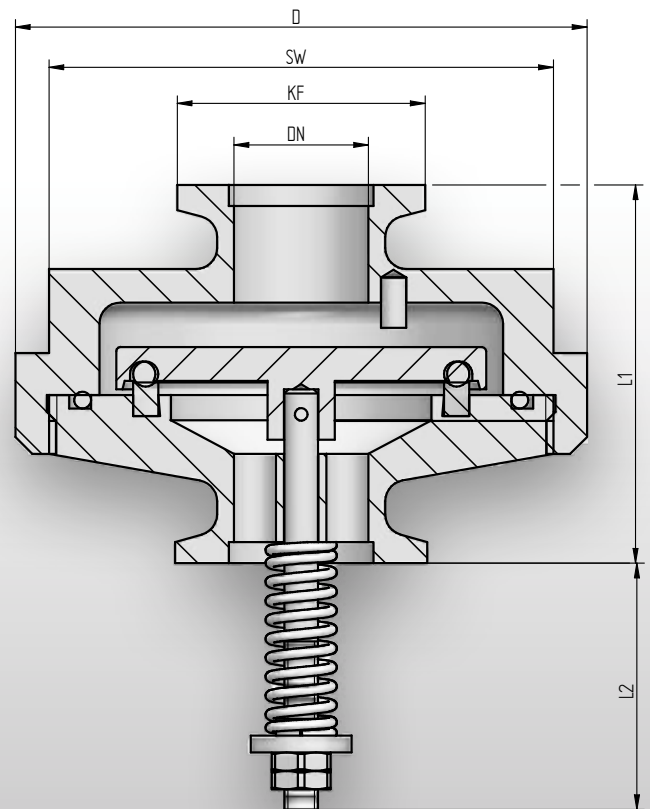
Relief Valve 20 – 1250 mbar 65



Blastö

Small Flange Pressure Relief Valve 100 - 1000 mbar

Spring-loaded pressure relief valve with low response pressure between 100 – 1000 mbar. For the relief of unwanted gas-buildup from vacuum systems. Connections of a flexible or unflexible tube to collect the gas are possible. The valve body is machined from one piece of solid stainless steel.



Technical data	
Service fluids	N ₂ , O ₂ , H ₂ , He, Ar, vacuum etc. *
Operating temp. fluid	20°C
Operating temp. environment	-30°C to + 50°C
Response pressure	100 - 1000mbar
Seat sealing	soft seal (PCTFE/Viton)
Sealing to atmosphere	metal/soft seal (Viton)
Installation position	opt. preferably with horizontal flow direction
Body material	aluminium or stainless steel
Leakage rate	to atmosphere 1 x 10 ⁻³ mbar l/s



DN	end connction	D2	L1	L2	part no. Aluminium	part no. stainless steel
10/16	KF 16	68	45	30	26.180.01	26.180.02
20/25	KF 25	78	55	33	26.181.01	26.181.02
32/40	KF 40	88	55	46	26.182.01	26.182.02
50	KF 50	98	58	46	26.178.01	26.178.02

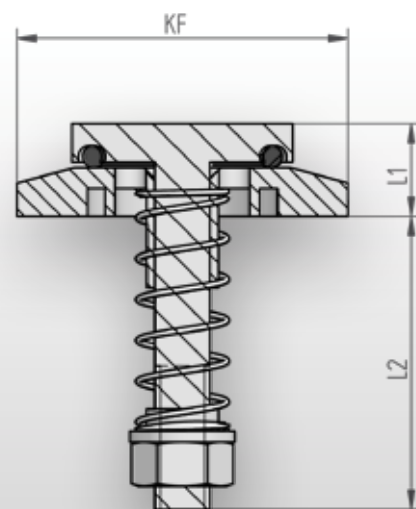
* All dangerous, toxic, acid fluids with material selection.

All lengths in [mm].

Blasts

Small Flange Pressure Relief Valve 20 – 1250 mbar

Spring-loaded pressure relief valve with response pressure between 20 – 1250 mbar. For the relief of unwanted gas-buildup from vacuum systems. Outflow to atmosphere. The valve body is machined from one piece of solid stainless steel.



Technical data	
Service fluids	N ₂ , O ₂ , H ₂ , He, Ar, vacuum etc. *
Operating temp. fluid	20°C
Operating temp. environment	-30°C to + 50°C
Response pressure	20 - 1250 mbar
Seat sealing	soft seal (Viton)
Sealing to atmosphere	metal/soft seal (Viton)
Installation position	opt. preferably with horizontal flow direction
Body material	stainless steel
Leakage rate	to atmosphere 1 x 10 ⁻³ mbar l/s



DN	end connetion	L1	L2	outflow section	part no. stainless steel
10/16	KF 16	8,5	25,5	24,6	26.39.05
20/25	KF 25	9,0	26,5	40,0	26.39.06
32/40	KF 40	10,0	35,5	83,5	26.39.07
50	KF 50	11,0	44,0	182,5	26.39.08

* All dangerous, toxic, acid fluids with material selection.

Dimensions for straight valves. All lengths in [mm].
Imperial and ISO dimensions possible.

Certificates

Key aspects of the Quality Programme

Rules and standards:

STÖHR ARMATUREN standard is the Pressure Vessel Code (DruckGRL).

Optional are rules like ASME, KTA etc.

Existing testing facilities:

- hydraulic pressure test up to 1600 bar
- helium leak test by He leak detector
to $\leq 1,0 \times 10^{-10}$ mbar l/sec. at room temp. and -196°C
- oxygen-compatible surface cleaning possible
- surface improvement by grinding and electro-polishing to $Ra \leq 0,25\mu\text{m}$ possible
- clean room assembly to class 100 possible.
- welding with valid WPQ (Welding Procedure Qualifications) and welder's performance qualification
- 100% test record of the welding seams (acc. to DIN EN 473) by:
 - visual test
 - surface crack test
 - ultrasonic test
 - X-ray examination.

Existing certifications:

- AD2000-HPO
- DIN 2303 - Q2 BK2
- DIN EN ISO 9001:2008
- Pressure Vessel Code - module H
- KTA 1401
- Qualification for transfer of identification acc. to AD2000-HPO

