

SFL-10 series

TÜV safety valves fixed at set value and sealed, DN 10 (0.2 - 50 bar)



Housing material

- B** – Brass
- BN** – Nickel-plated brass
- SD** – Stainless steel 316 (1.4401)
- SN** – Stainless steel 316 Ti (1.4571)

Set pressure

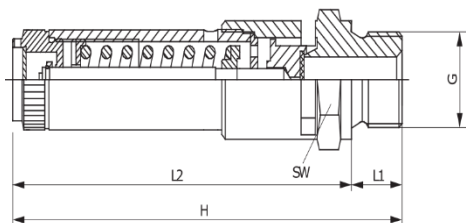
0.2-50 bar

SFL-BN-10-14-038

Valve bore – 10

Connection size

- G 3/8 inch
- G 1/2 inch
- G 3/4 inch



Connection size, inch	Pressure, bar	H, mm	L1, mm	L2, mm	SW, mm
G 3/8	0.3 – 8.5	87	12	75	27
G 3/8	8.51 – 40	107	12	95	27
G 3/8	40.01 - 50	132	12	120	27
G 1/2	0.3 – 8.5	89	14	75	27
G 1/2	8.51 – 40	109	14	95	27
G 1/2	40.01 - 50	134	14	120	27
G 3/4	0.3 – 8.5	91	16	75	32
G 3/4	8.51 – 40	111	16	95	32
G 3/4	40.01 - 50	136	16	120	

Pressure, bar	qm (m3/h), at 0° C / 760 torr	Pressure, bar	qm (m3/h), at 0° C / 760 torr	Pressure, bar	qm (m3/h), at 0° C / 760 torr	Pressure, bar	qm (m3/h), at 0° C / 760 torr
0.3	24.0	10.0	444.9	24.0	1016.8	38.0	1588.7
0.8	59.4	11.0	485.8	25.0	1057.7	39.0	1629.5
1.3	76.9	12.0	526.6	26.0	1098.5	40.0	1670.4
1.8	94.5	13.0	567.6	27.0	1139.4	41.0	1711.3
2.3	112.1	14.0	608.3	28.0	1180.2	42.0	1752.1
2.8	129.5	15.0	649.2	29.0	1221.1	43.0	1792.9
3.3	147.1	16.0	690.0	30.0	1261.1	44.0	1833.8
3.8	164.1	17.0	730.8	31.0	1302.7	45.0	1874.6
4.0	199.8	18.0	771.7	32.0	1343.6	46.0	1919.5
5.0	240.7	19.0	812.6	33.0	1384.5	47.0	1956.4
6.0	281.5	20.0	853.4	34.0	1425.3	48.0	1997.2
7.0	322.4	21.0	894.3	35.0	1466.2	49.0	2038.1
8.0	363.3	22.0	935.1	36.0	1507.0	50.0	2078.9
9.0	404.0	23.0	975.9	37.0	1547.8		

* Values in brackets for Brass and Nickel-plated brass with G 1/4

ENGLISH

Materials:

Body: brass, 1.4571 or 1.4401, seal: FKM

Temperature range:

-25°C to +180°C

Media:

Compressed air and other non-toxic non-inflammable gases, blown-off freely

Note:

These valves have been type approved and can only be supplied non-adjustable.

Optional:

Material 1.4404 (economical stainless steel) **-SD**, NPT thread **-N**, fixed set pressure between 0.2 and 50 bar, TÜV adjustment certificate

NEDERLANDS

Materialen

Lichaam: Messing, 1.4571 of 1.4401, afdichting: FKM

Temperatuurbereik:

-25°C tot +180°C

Media:

Perslucht en andere niet-giftige, onbrandbare gassen, vrij afblazen

Aanwijzing:

Deze kleppen zijn goedgekeurd en kunnen alleen vast ingesteld geleverd worden.

Optioneel:

Materiaal 1.4404 (goedkoper roestvrij staal) **-SD**, NPT-schroefdraad **-N**, vast ingestelde druk tussen 0,2 en 50 bar, TÜV-instelcertificaat

DEUTSCH

Werkstoffe:

Körper: Messing, 1.4571 oder 1.4401, Dichtung: FKM

Temperaturbereich:

-25°C bis +180°C

Medien:

Druckluft und andere ungiftige, nicht brennbare Gase, frei abblasend

Hinweis:

Diese Ventile sind baumustergeprüft und können nur fest eingestellt geliefert werden.

Optional:

Werkstoff 1.4404 (günstiger Edelstahl) **-SD**, NPT-Gewinde **-N**, fest eingestellter Druck zwischen 0,2 und 50 bar, TÜV-Einstellbescheinigung

FRANÇAIS

Matériaux

Corps: laiton, 1.4571 ou 1.4401, joint: FKM

Plage de température:

-25 °C à +180 °C

Médias:

Souffler de l'air comprimé et d'autres gaz non toxiques et non inflammables

Indice:

Ces vannes sont homologuées et ne peuvent être fournies que fixes.

Facultatif:

Matériau 1.4404 (acier inoxydable moins cher) **-SD**, filetage NPT **-N**, pression fixe entre 0,2 et 50 bar, certificat de réglage TÜV

1. General description

The TÜV safety valves are used to protect pressure vessels, pipelines and other parts of the system against excessive pressure. Safety valves are not to be used as overflow valves! The TÜV safety valves are especially suitable for compressed air and other non-toxic, neutral and non-flammable gases, which may be blown into the open in compliance with the operating conditions and safety requirements. The media must not carry any contaminants, especially no solids, because these lead to changes in the Set pressure and / or lead to leakage.

2. Installation instructions

The TÜV safety valves require special care during installation. The valves need to be carefully removed from the packaging. Suitable tools and the hexagonal screw-in spigot must be used for assembly. The system must be flushed before installing the valve. The sealing surfaces between the safety valve and connection part must be kept clean. The valve must be installed in the system without tension. The TÜV safety valves are valves of "open design" (without connection option for the Blow-off line). Therefore, their arrangement must be carried out in such a way that a hazard to people, etc. is avoided due to the released medium due to jet pressure, medium temperature and sound level! During the setting of the response pressure or during the functional test, protective measures (e.g. hearing protection) must be taken according to the existing hazard potential! Directly acting safety valves must always be installed upright. If in exceptional cases deviations must be checked; the installation positions must be checked or the manufacturer should be consulted.

3. Maintenance

The functionality of the TÜV safety valves must be checked at regular intervals by lifting them up. The Control intervals are to be determined by the operator of the system taking into account the operating conditions, whereby the manufacturer recommends inspections at least every six months. The safety valves must be lifted at pressures that are greater than or equal to 85% of the response pressure. If the safety valves have leaked due to contamination in the operating medium, the tightness may be restored by repeated ventilation. Defective TÜV safety valves can only be repaired or repaired by the manufacturer or authorized workshops waiting!