

Corner safety valve, liquids, G 1, Trigger pressure 16 bar - Riegler 105608

Item no. RGL-105608

Manufacturer Riegler

EAN 4047322232531

Corner safety valve, liquids, G 1, Trigger pressure 16 bar

TECHNICAL DATA

Country of Manufacture	Germany
Housing material	Gunmetal
Material	Gunmetal
Norm	DIN EN ISO 228-1
Pneumatic connection	G1
Set pressure [bar]	16
Temperature (max.)	110
Thread	G 1
Weight	0.68 kg
Zolltarifnummer	84814090



STANDARDS & COMPLIANCE

ISO 228-1

DESCRIPTION

Corner safety valve, for liquids, Red brass, FPM, Operating temp. -10 °C to 110 °C, G 1, AF 41, Trigger pressure 16 bar For non-toxic, non-flammable liquids. No evaporation allowed when blowing off. With diaphragm to protect the spring and with lifting device. Type-tested, TÜV-SV. 749. F

TECHNICAL DATA

Min. operating temperature	-10 °C
Max. operating temperature	110 °C
Housing	red brass
Spring bonnet	brass
Diaphragms	FPM
Spring	C steel
Internal parts	brass
Inlet and outlet	each with female thread type G acc. to DIN EN ISO 228-1
Thread	G 1
Min. set pressure	16 bar

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Page 1/2

H	132.0 mm
L2	30.0 mm
L1	36.0 mm
a/f	41 mm
Adjustment range min.	1 bar
Adjustment range max.	16 bar
Adjustment range	1 - 16 bar (depending on the seal)

STANDARDS AND ORIGIN

- Customs tariff number: 84814090
- Country of origin: DE

ABOUT SAFETY VALVES AND PRESSURE LIMITING VALVES

Safety valves cap the pressure in a system and vent as soon as the preset set pressure is reached. This range covers set pressures from 0.2 to 50 bar and installs directly in the line via threads from G 1/4 to G 2. That lets you match overpressure protection to the actual operating point rather than to a standard step.

WHAT MATTERS WHEN CHOOSING

- Set pressure: the range runs from 0.2 to 50 bar. The value has to sit above the system operating pressure and below the rating of the weakest protected component.
- Thread: G 1/4 through G 2 are available, some as male threads (G 1/2 AG, G 3/4 AG, G 1 AG, G 2 AG). Port size determines how much can actually be discharged when the valve lifts.
- Body material: brass, gunmetal or zinc die-cast with silver paint finish. Gunmetal appears in the steam versions, and 14 items are listed in stainless steel 1.4305.
- Sealing material NBR, FKM or FPM: pick the elastomer to suit the medium and the temperature at the installation point.
- Temperature window: lower operating limits fall between -40 and -10 °C, upper limits between 110 and 260 °C. This narrows down which versions are usable at all.

TYPICAL APPLICATIONS

- Protecting compressed air receivers and compressor stations against inadmissible overpressure
- Overpressure protection on steam and hot water installations
- Backup downstream of pressure reducers in case the regulator fails open
- Protection of heat exchangers and storage vessels in process plants
- Capping pressure in individual sub-circuits that run at their own level

All 1931 items in this group are recorded with DE as country of origin. Where corrosion resistance matters, 14 versions are available in stainless steel 1.4305.