

Corner safety valve, G 1 1/2, Trigger pressure 5 bar - Riegler 105515

Item no. RGL-105515

Manufacturer Riegler

EAN 4047322276986

Corner safety valve, G 1 1/2, Trigger pressure 5 bar

TECHNICAL DATA

Country of Manufacture	Germany
Housing material	Gunmetal
Material	Gunmetal
Norm	DIN EN ISO 228-1
Pneumatic connection	G1 1/2
Set pressure [bar]	5
Temperature (max.)	225
Thread	G 1 1/2
Weight	1.5 kg
Zolltarifnummer	84814090



STANDARDS & COMPLIANCE

ISO 228-1

DESCRIPTION

Corner safety valve, for saturated steam, Red brass, Operating temp. -10 to 225 °C, G 1 1/2, AF 58, Trigger pressure 5 bar Type-tested, TÜV - SV. 749 D/G

TECHNICAL DATA

Min. operating temperature	-10 °C
Max. operating temperature	225 °C
Housing	red brass
Spring bonnet	brass
Diaphragms	PTFE
Spring	C steel
Internal parts	brass
Inlet and outlet	each with female thread type G acc. to DIN EN ISO 228-1
Operating temperature	-10 °C to 150 °C (EPDM) 225 °C (PTFE)
Thread	G 1 1/2

Min. set pressure	5 bar
H	175.0 mm
L2	40.0 mm
L1	48.0 mm
a/f	58 mm
Adjustment range min.	0.2 bar
Adjustment range max.	20 bar
Adjustment range	0.2 - 20 bar (depending on size and medium)

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.