

Full stroke safety valve DN 10, G 3/8, Trigger pressure 25.5 bar - Riegler 104497

Item no. RGL-104497

Manufacturer Riegler

EAN 4047322047159

Full stroke safety valve DN 10, G 3/8, Trigger pressure 25.5 bar

TECHNICAL DATA

Betriebsdruck max [bar]	50.000000
Country of Manufacture	Germany
Housing material	Brass
Material	Brass
Pneumatic connection	G3/8
Seal material	FKM
Set pressure [bar]	25,5
Temperature (max.)	180
Thread	G 3/8
Weight	0.229 kg
Zolltarifnummer	84814090



DESCRIPTION

Full stroke safety valve DN 10, Brass, Operating temp. -25 °C to 180 °C, G 3/8, AF 27, Trigger pressure 25.5 bar, Type tested For compressed air and non-toxic, non-flammable gases, cannot be used for liquids due to free blow-off, not suitable for steam. These valves are TÜV approved and have a TÜV type test number.

TECHNICAL DATA

Min. operating pressure	0.2 bar
Max. operating pressure	50 bar
Min. operating temperature	-25 °C
Max. operating temperature	180 °C
Housing	brass
Sealant	FKM
Thread	G 3/8
Min. set pressure	25.5 bar
a/f	27 mm
A	22.0 mm
C	95.0 mm
D	12.0 mm

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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.