

Gas manifold systems
Safety Relief Valve

Safety Relief Valve: G20/S

Type G20/S for pressure relief of vessels, pipelines and other plant components

Highlights

- prevents the maximum permissible pressure from being exceeded
- pre-set, guarantees maximum safety and minimum maintenance
- declaration of conformity with all relevant test and performance figure
- **acceptance test according to Pressure Equipment Directive 2014/68/EU, Category IV, Module H1**
- applied standards and specifications according to AD 2000 leafletA2,
- VdTÜV leaflet safety relief valve 100, ISO 4126-1, AS1271-2003, EN378, EN13136
- position-independent installation
- lateral outlet for connection of a pressure relief line
- high resistance brass housing for high and low temperatures
- gas type specific sealing material
- available for oxygen, technical gases and acetylene



Maintenance:

Safety relief valves are to be tested for function at regular intervals. (Germany Industrial Safety Regulation § 15).

Technical Data:

Gas type:	Acetylene (A)	Oxygen and technical gases (O)		
Relief pressures:	0,19 MPa 1,90 bar	1,60 MPa 16,00 bar	2,50 MPa 25,00 bar	4,00 MPa 40,00 bar
Relief capacity approx.: (at 0°C, 1013,25 MPa) Gas type specific	641 kg/h 547 m³/h	4481 kg/h 3135 m³/h	6866 kg/h 4805 m³/h	10841 kg/h 7586 m³/h
Ambient temperature:	-50 / + 150°C		-20 / + 200°C	
Connection: ISO228 Inlet: Outlet:	G1 M G1 1/4 M			
Material:	Brass stainless steel pressure spring EPDM (Acetylene) FKM (Viton) (Oxygen and technical Gases)			
Accessories:	T-fitting G3/4RH F/M for connection G3/4 T- fitting G3/4RH F/M for connection G1			
Measure and weight:	length (without connection thread):		weight:	
	167,0 mm		1450,0 g	

Model for oxygen: free from oil and grease.
Special designs on request.

Certification / Technical Standards / Rules

DGUV German Social Accident Insurance, DVS Rules and Regulations, Cutting and Allied Processes,
TRBS German Technical Regulations on Industrial Safety and Health.

Standards/ Approvals

Company certified according to
ISO 9001:2015 and ISO 14001:2015,
CE-marking according to: Pressure Equipment Directive 2014/68/EU

(Subject to change without notice)