

Gas manifold systems  
Safety Relief Valve

**Safety Relief Valve: G14/S**

**Type G14/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:**

<b>Gas type:</b>	Acetylene (A)	Oxygen and technical gases (O)		
<b>Relief pressures:</b>	0,19 MPa 1,90 bar	1,60 MPa 16,00 bar	2,50 MPa 25,00 bar	4,00 MPa 40,00 bar
<b>Relief capacity approx.: (at 0°C, 1013,25 MPa) Gas type specific</b>	296 kg/h 252 m³/h	2117 kg/h 1481 m³/h	3244 kg/h 2270 m³/h	5122 kg/h 3585 m³/h
<b>Ambient temperature:</b>	-50 / + 150°C		-20 / + 200°C	
<b>Connection: ISO228</b> Inlet: Outlet:	G3/4 M G1 M			
<b>Material:</b>	Brass stainless steel pressure spring EPDM (Acetylene)   FKM (Viton) (Oxygen and technical Gases)			
<b>Accessories:</b>	T-fitting G1/2RH F/M for connection G1/2 T-fitting G3/4RH F/M for connection G1/2 T-fitting G3/4RH F/M for connection G3/4			
<b>Measure and weight:</b>	length (without connection thread):		weight:	
	133,0 mm		740,0 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)