

# SAFETY RELIEF VALVE AV815



**Spring loaded, direct acting safety relief valve for acetylene. To be used in conjunction with manifold pressure regulator according to DIN EN ISO 7291.**

### Benefits

- 7 different opening pressures and nominal flows available
- TÜV-certification of pressure setting
- may be mounted in any position / orientation
- compact size for easy, problem free installation
- protective dust cap
- adapter for connection to ventilation pipe
- material according to 3.1 EN 10204
- BAM test report Tgb.-Nr.4806/98; II-3737

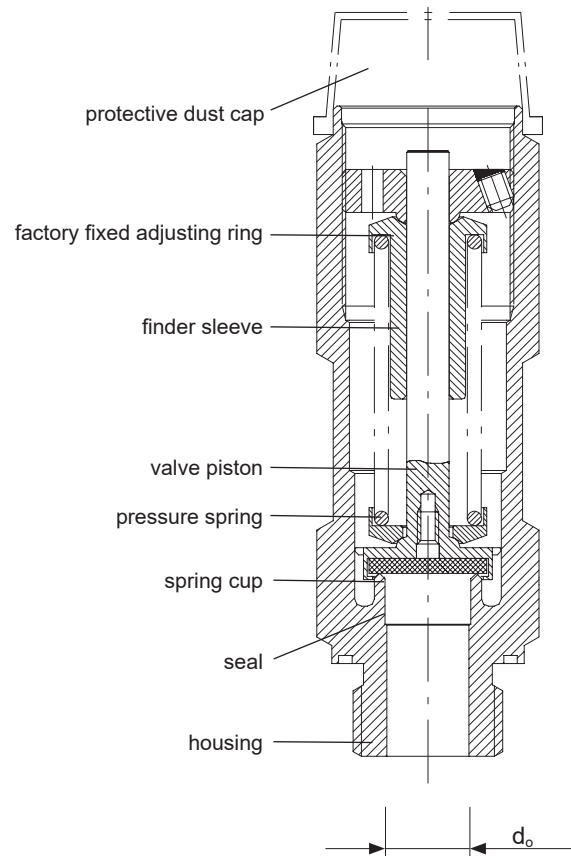
### Approvals

Company certified according to ISO 9001 and PED 2014/68/EU Module H

**Other models, options and accessories available on request.**



	AV815
<b>Opening pressure</b>	see table
<b>Gases</b>	acetylene
<b>Material</b>	housing and metal turned parts made of brass, pressure spring made of stainless steel, valve seal EPDM
<b>Width across flats</b>	27 mm
<b>Weight</b>	approx. 260 g
<b>Inlet</b>	G 1/2 male with O-ring
<b>Outlet</b>	M24 x 1 female
<b>Drill hole (d<sub>0</sub>)</b>	11.5 mm
<b>Temperature range</b>	-40 °C/-40 °F up to approx. +80 °C/+176 °F
<b>Overall length</b>	91 mm
<b>Adapter</b>	for connection to ventilation pipe at the outlet



## AV815

Max. outlet pressure at regulator / operating pressure [bar]	Blow-off flow = $Q_{RV}$ acetylene [m <sup>3</sup> /h]	Factory set opening pressure [bar]	Order-No.
0.6	50	0.75	200-277
0.7	60	0.95	200-353
0.8	65	1.25	200-354
0.9	70	1.25	200-355
1.1	72	1.55	200-356
1.5	75	1.90	200-278
2.0	90	2.50	200-279

### Adapter for connection to ventilation pipe at the outlet

Version	Adapter with O-ring seal	Order-No.
Brass	M24 x 1 M - 1/2" NPT F	801413600K
	M24 x 1 M - 3/4" NPT F	802124900K
	M24 x 1 M - G 1/2 M with cone	802069800K

### Example for dimensioning according to DIN EN ISO 7291:

nominal gas flow of pressure regulator	$Q_1 = 150 \text{ m}^3/\text{h}$
required blow-off flow for AV815	$Q_{RV} = 0.5 \times Q_1 = 75 \text{ m}^3/\text{h}$
max. outlet pressure at regulator / operating pressure	1.5 bar

➔ selection AV815 with order-no. 200.278 opening pressure 1.9 bar