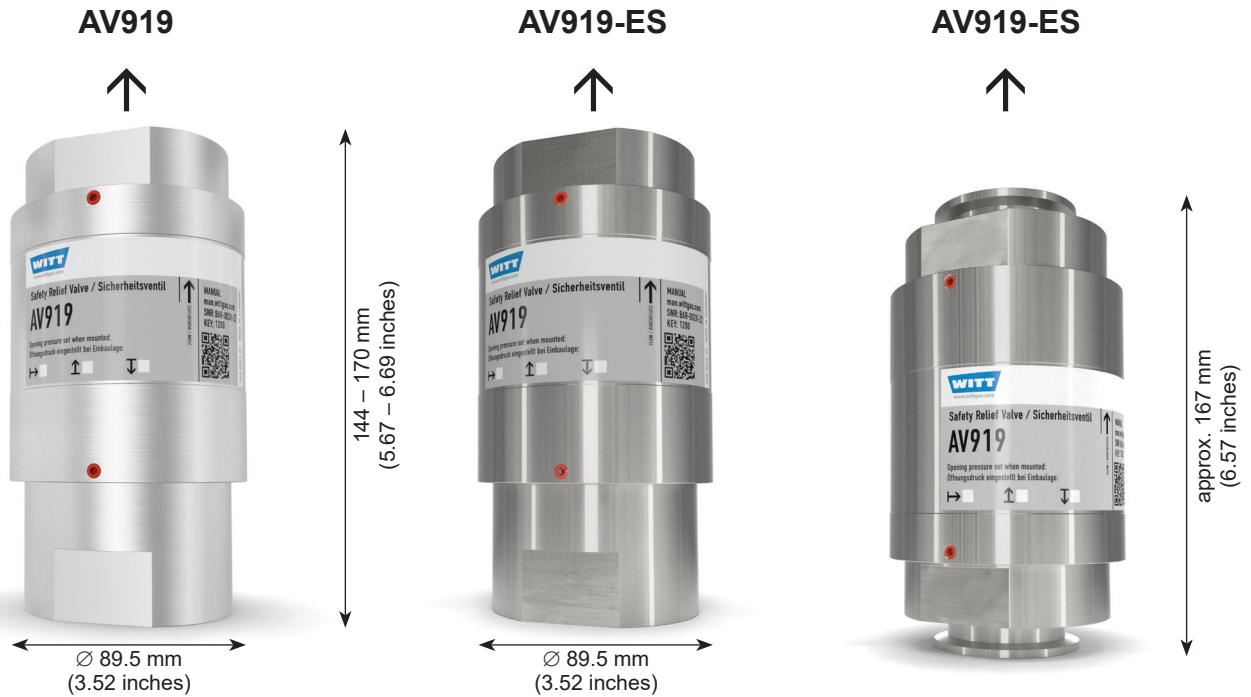


# SAFETY RELIEF VALVE AV919

5 up to 500 mbar



**Spring loaded, direct acting safety relief valve for venting excess pressure from receivers, pipelines and other equipment.**

**Every safety relief valve 100% tested.**

### Benefits

- individual opening pressure
- TÜV-certification of pressure setting (optional)
- available in anodised aluminium or stainless steel (ES)
- sealing material to suit gas or customer request
- compact size for easy, problem free installation
- adapter for connection to ventilation pipe
- free of oil and grease

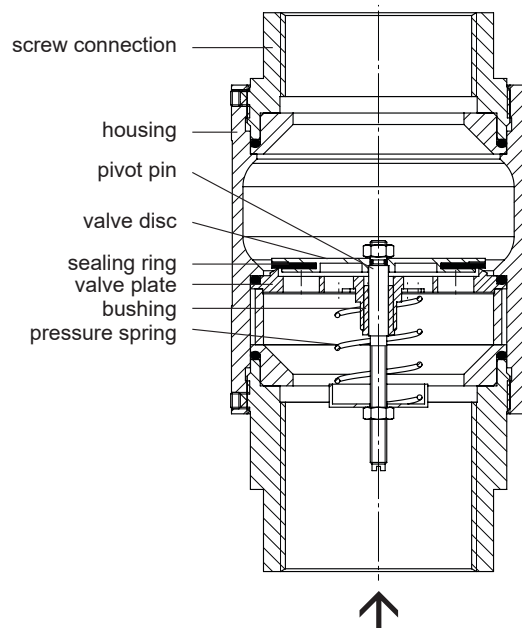
### Approvals

Company certified according to ISO 9001 and PED 2014/68/EU Module H  
 Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems  
 Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

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

**Please identify the individual gases, temperature and opening pressure at the time of enquiring!**

	AV919 / AV919-ES
<b>Opening pressure</b>	from 0.005 up to < 0.5 bar
<b>Gases</b>	all technical gases
<b>Material</b>	housing anodised aluminium or stainless steel, metal turned parts made of stainless steel, pressure spring made of stainless steel, valve seal corresponding to the gas
<b>Width across flats</b>	70 mm
<b>Weight</b>	approx. 1 500 g / approx. 3 000 g (ES)
<b>Connections</b>	G 2 RH F 2" NPT F flange DN 40 according to DIN 28403
<b>Marking</b>	TÜV*AV919*47,0*3.2315.72*CR* *PN16
<b>Temperature range</b>	-40 °C/-40 °F up to approx. +270 °C/+518 °F (in accordance to gas and valve sealing)



# SAFETY RELIEF VALVE AV919

## 5 up to 500 mbar



Flow capacity for air and closing pressure at 20 °C / 68 °F  
(valid only for atmospheric back pressure)

Standard reference conditions: 0 °C/32 °F / 1 013.3 mbar

Flow capacity at  $p = 2 \times p_e$  [Nm<sup>3</sup>/h]

$p_e$  = Setting pressure

### Connection G 2 / 2" NPT

$p_e$ Setting pressure [mbar]	5	15	30	40	60	80	100
Flow capacity [m <sup>3</sup> /h]	22.7	39	177	268	319	434	440
Closing pressure in % of $p_e$	66.5	76	79	83	87	86	88
$p_e$ Setting pressure [mbar]	140	200	250	300	400	450	500
Flow capacity [m <sup>3</sup> /h]	529	550	686	610	781	926	967
Closing pressure in % of $p_e$	88	89	89	90	90	88	90

Pressure range [mbar]	Connection	Overall length [mm]
5 ≤ 30	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170
	KF DN40 DIN 28403	167
	FI.DN50/PN40 DIN EN1092	266
>30 ≤ 80	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170
	KF DN40 DIN 28403	167
>80 ≤ 140	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170
	KF DN40 DIN 28403	167
>140 ≤ 250	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170
	KF DN40 DIN 28403	167
>250 ≤ 400	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170
	KF DN40 DIN 28403	167
>400 ≤ 500	G 2 F – G 2 F	170
	2" NPT F – 2" NPT F	170

other connections available upon request