

# Pipelife Gas-Stop™ GS110/300(UE)/S

Excess Flow Valve for Service Lines (SL) and distribution lines (DL) d<sub>a</sub>110/DN100



Operating pressure: **0.3-10.0 bar (0.03-1.0 MPa)**  
 Colour code: **White**

## Product codes

	Automatic reopening	Integrd in PE100 adapter
GSA110/300S	-	•
GSA110/300UE/S	•	•



## Technical data

Operating pressure pe bar	Nominal flow Vn m <sup>3</sup> /h	Shut-off flow Vs m <sup>3</sup> /h	Protectable pipe length m		Reopening time min/m
			SDR 11	SDR 17	
0.3	657.0	828	54	84	2.0
0.5	717.5	906	160	250	2.6
1.0	848.5	1072	381	596	3.5
2.0	1063.5	1345	751	1168	4.4
3.0	1245.0	1575	1078	1677	5.0
4.0	1405.0	1780	1386	2156	5.3
5.0	1550.0	1965	1684	2620	5.6
6.0	1684.0	2136	1974	3071	6.0
8.0	1927.0	2447	2553	-	6.2
10.0	2145.0	2726	3120	-	6.5

### Flow values:

All data for nominal or shut-off flow (Vn, Vs) as well as leak and overflow volume are applicable for natural gas H, ρ<sub>n</sub> = 0.74 kg/m<sup>3</sup> at 0° C, 1013.25 mbar. Tolerance for shut-off flow +/- 5 %.

**Pressure drop at Vn:** ≤45.0 mbar

**Installation position:** Deviation of ±5° from the horizontal position permitted.

### Leak , overflow volume (UE type):

GSA110/300S max. 3.8 l/h at p<sub>max.</sub> 5.0 bar

GSA110/300UE/S ≤550 l/h at 5.0 bar  
 ≤1.000 l/h at 10.0 bar

### Protectable pipe length:

Guide values for a leak size Ø 50 mm, pipe roughness k = 0.3 mm, discharge coefficient μ = 0.6

### Correction factor for other gases:

$$f = \sqrt{\frac{0.74}{\rho_n}}$$

f = Correction factor

ρ<sub>n</sub> = Standard density of the other gas type in kg/m<sup>3</sup> at 1013.25 mbar, 0° C

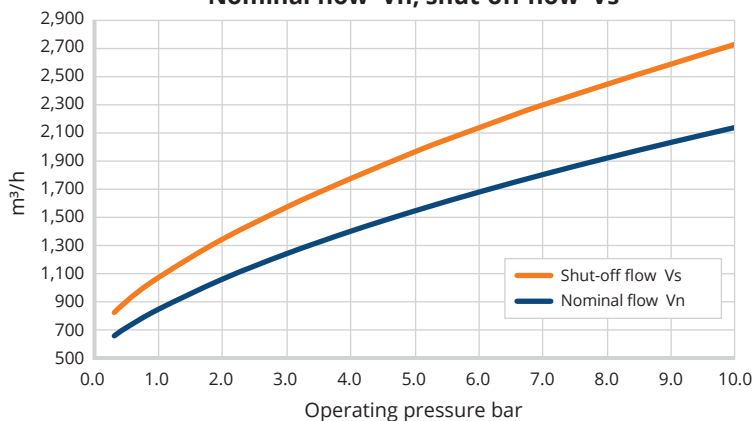
### Certifications/test basis:

EU-AT ÖVGW QS-G 494



**Note:** For further information, see "Explanations on the product data sheets". Depending on the respective pipeline configuration, larger pipeline lengths that can be protected are possible. Details on this as well as information on installation in lines of other dimensions are available on request.

Nominal flow Vn, shut-off flow Vs



Protectable pipe length

