

Pipelife Gas-Stop™ GS110/1(UE)

Excess Flow Valve for Service Lines (SL) and distribution lines (DL) d_a110/DN100



Operating pressure: **1.0-10.0 bar (0.1-1.0 MPa)**
 Colour code: **White**

Product codes

	Automatic reopening	Integrd in PE100 adapter
GSA110/1	-	•
GSA110/1UE	•	•



Technical data

Operating pressure pe bar	Nominal flow Vn m³/h	Shut-off flow Vs m³/h	Protectable pipe length AL + VAL m		Reopening time min/m
			SDR 11	SDR 17	
1.0	1560.0	1753.0	45	69	3.5
2.0	1862.0	2167.0	167	260	4.4
3.0	2098.0	2518.0	293	456	5.0
4.0	2289.5	2827.0	415	647	5.3
5.0	2449.5	3104.5	539	839	5.6
6.0	2584.5	3357.5	664	1034	6.0
8.0	2801.0	3802.5	992	-	6.2
10.0	2963.5	4179.0	1196	-	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, p_n = 0.74 kg/m³ at 0° C, 1013.25 mbar. Tolerance for shut-off flow +/- 5 %.

Pressure drop at Vn: ≤85.0 mbar

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

Leak, overflow volume (UE type):

GSA110/1 max. 3.8 l/h at p_{max.} 5.0 bar

GSA110/1UE ≤550 l/h at 5.0 bar
 ≤1.000 l/h at 10.0 bar

Protectable pipe length:

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

Correction factor for other gases:

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

f = Correction factor

p_n = Standard density of the other gas type in kg/m³ at 1013.25 mbar, 0° C

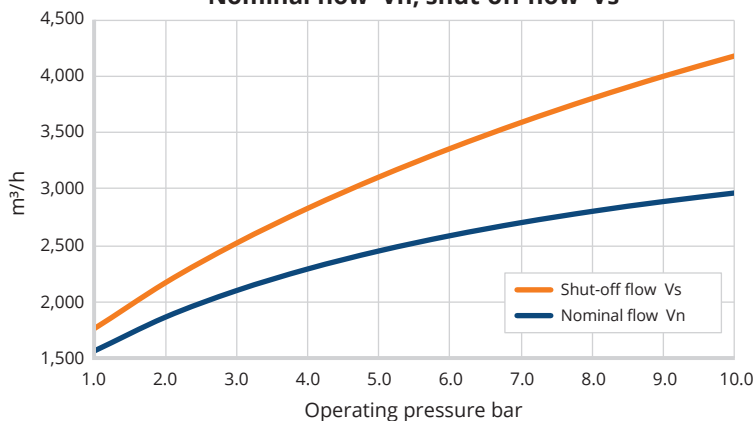
Certifications/test basis:

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

