

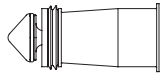
Pipelife Gas-Stop™ GS20/1(UE)

Excess Flow Valve for Service Lines (SL) d_a20/DN15



Operating pressure: **1.0-5.0 bar (0.1-0.5 MPa)**
 Colour code: **Yellow**

Product codes

	Automatic reopening	Sepa mounting part	Integd in PE100 adapter
GS20/1	-		-
GSA20/1	-	-	•
GS20/1UE	•	•	-
GSA20/1UE	•	-	•

Technical data

Operating pressure pe bar	Nominal flow Vn m ³ /h	Shut-off flow Vs m ³ /h	Protectable pipe length m	Reopening time sec/m
1.0	25.0	45.0	8	21
2.0	30.5	61.0	24	25
3.0	35.0	75.0	36	27
4.0	40.0	88.0	47	29
5.0	43.5	98.0	57	30

Flow values:

All data for nominal or shut-off flow (Vn, Vs) as well as leak and overflow volume are applicable for natural gas H₂, ρ_n = 0.74 kg/m³ at 0° C, 1013.25 mbar.

Pressure drop at Vn: ≤60.0 mbar

Installation position: All installation positions permitted.

Leak , overflow volume (UE type):

GS20/1 max. 3.8 l/h*

GS20/1UE ≤38 l/h at 1.0 bar

Protectable pipe length:

Guide values for a leak size of 70 % of the pipe cross-section, pipe roughness k = 0.05 mm, discharge coefficient μ = 0.6

Correction factor for other gases:

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

f = Correction factor

ρ_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

EU-F Règlement NF 136 SAPE 102 (Vn_{max} 25 m³/h)

EU-F Certigaz APE H001-00

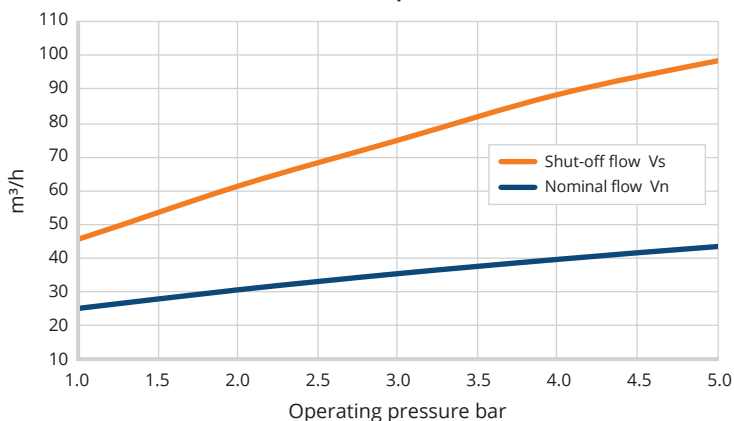


Note:

* EU-F licensing for Pipelife Gas-Stop™ integd in pressure-tapping valves; permitted leak ≤0.15 l/h. For further information, see "Explanations on the product data sheets".

Information on installation in service line of other dimensions is available on request.

Nominal flow Vn, shut-off flow Vs



Protectable pipe length

