

SERus

Residential Regulator



The SERus and SERus E residential regulators are based on a spring-loaded measuring unit. This type of regulator is used for direct pressure regulation at the inlet of residential and industrial gas meters.

Key Benefits

- » Compact design
- » Pre-set outlet pressure
- » Fireproof up to 650°C
- » Safety diaphragm
- » DVGW approved, DVGW Reg. No: DG-4330CL0421

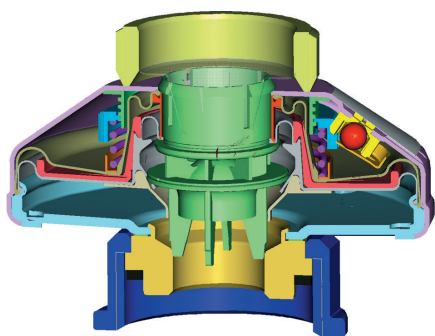
Option

- » Gas loss protection

Description

The innovative design based on the axial flow principle generates a high flow rate despite the regulator's small dimensions.

A 320 µm micro strainer protects the regulator on the inlet side.



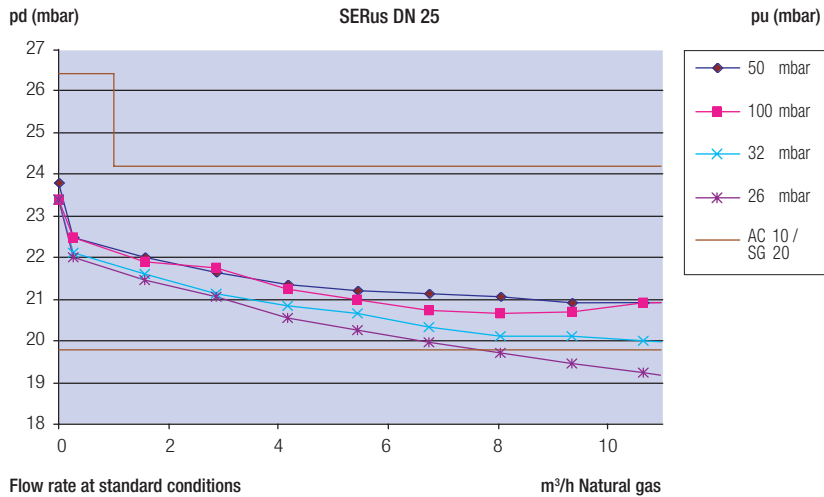
Technical Specifications

Pressure rate	PN 0.1 (PN 0.2)
Inlet pressure range	pd + 4 to 100 (200) mbar
Outlet pressure range	20 to 33 mbar (pre-set)
Orifice diameter	28 mm
Regulation group	AC 10
Closing pressure group	SG 20
Fluid	All gases according to DVGW Work Sheet G 260
Flow rate	Suitable for G 2.5 to G 16
Connection size	DN 20, DN 25, DN 32 and DN 40, Single pipe DN 25
Connection type	Pipe screw joint acc. ISO 228/1 (G1", G1¼", G1¾" and G2")

Materials

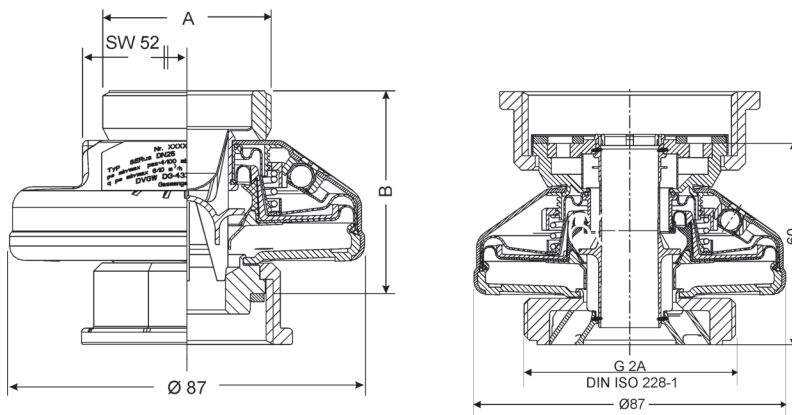
Housing	Sheet metal, zinc protected
Connection parts	Steel, zinc protected
Diaphragm	NBR
Internal parts	Steel, Brass, Aluminium, POM-plastic
Dimension	70 mm x Ø 87 mm (Single pipe DN 25)
Weight	max. 0.5 kg

Typical Performance Curve



Flow rates / Dimensions / Weights

Type	Connection Size	Gas meter	Connection Thread A	Installation Length B [mm]	Flow rate Qmax [Sm³/h Natural gas] for pd +... [mbar]				Weight [kg]
					G 4	G 6	G 10	G 16	
SERus	DN20	G4	G1	50	+4	-	-	-	0.4
	DN25	G4/G6	G1¼	50	+4	+10	-	-	0.4
	DN32	G6/G10	G1¾	50	+4	+10	+20	+33	0.5
	DN40	G10/G16	G2	55	+4	-	+14	+26	0.5
SERus E	DN25	G4/G6	G2	60	+4	+10	-	-	0.5



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