

# 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-4330BL0593t

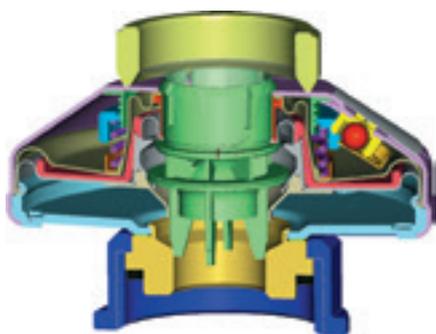
### Option

- » Gas loss protection

### Description

A completely new design based on the axial flow principle generates a high flow rate despite the regulator's small dimensions.

A 320 micro mm strainer protects the regulator on the inlet side



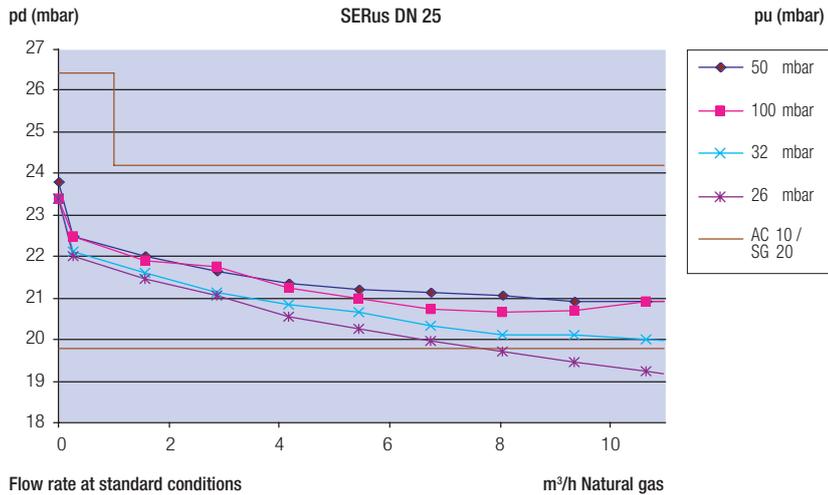
### Technical Specifications

Pressure rate	PN 0.1 (PN 0.2)
Inlet pressure range	pd + 4 to 100 (200) mbar
Outlet pressure range	20.0 to 33.0 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 (G 1", G 1 1/4", G 1 3/4" and G 2")

### Materials

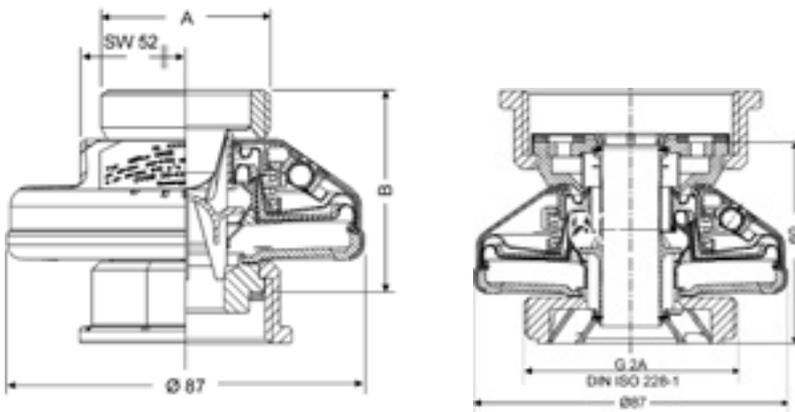
Housing	Sheet metal, zinc protected
Connection parts	Steel, zinc protected
Diaphragm	NBR rubber
Internal parts	Steel, Brass, Aluminium, POM-plastic
Dimension	70 mm x Ø 87 mm (Single pipe DN 25)
Weight	max. 0.5 kg

# 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 mbar	-	-	-	0.4
	DN25	G4/G6	G11/4	50	+4	+10 mbar	-	-	0.4
	DN32	G6/G10	G13/4	50	+4	+10	+20 mbar	+33 mbar	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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