



# **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

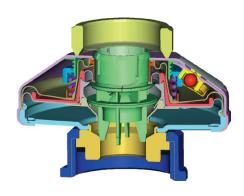
## **Option**

» 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



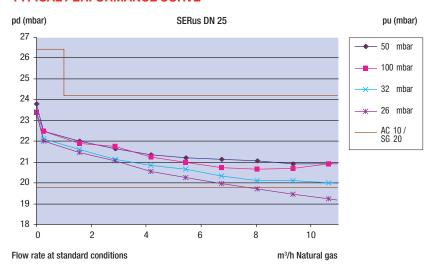
## **Technical Specifications**

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 11/4", G 13/4" and G 2")				

#### **Materials**

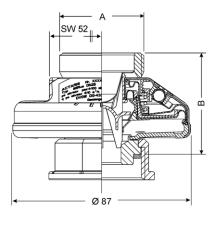
Housing	Sheet metal, zinc protected
Connection parts	Steel, zinc protected
Diaphragm	NBR rubber
Internal parts	Steel, Brass, Aluminium, POM-plastic
Dimension	70 mm x Ø 87 mm (Single pipe DN 25)
Weight	max. 0.5 kg

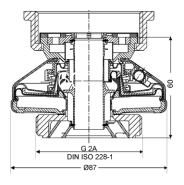
## **TYPICAL PERFORMANCE CURVE**



Flow rates / Dimensions / Weights

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Туре	Connection Size	Gas meter	Connection Thread A	Installation Length B (mm)	Flow rate Qmax (Sm³/h Natural gas) for pd + (mbar) G 4 G G 10 G 16				Weight kg			
			7.	_ ()	<u> </u>	<b>.</b>	G. 10	G. 10				
SERus	DN20	G4	G1	50	+4 mbar	-	-	-	0.4			
	DN25	G4/G6	G11/4	50	+4	+10 mbar	-	-	0.4			
	DN32	G6/G10	G1¾	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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