

ZR PN 0.1

Gas pressure regulator
Inlet pressure 100 mbar
DN 20, 25, 32, 40, 50

Applications

- Pressure reducing for
- utilisation
 - domestic application

Brief information

The ZR series of meter service regulators for low-pressure applications and for use with gas meters is available with or without an integrated low-pressure cut-off valve (LPCO). The LPCO has an automatic reset.
The units are DVGW approved according to DIN 33822.
Registration numbers: NG-4330CL0335, ZRH: NG-4330CL0336

Technical data

- Inlet pressure range p_U 22 mbar to 100 mbar
 - Outlet pressure range p_{ds} 18 to 50 mbar
 - Design with low pressure cut-off p_{ds} 18 to 30 mbar (ZR/ZRE) (different setting springs necessary)
 - Minimum differential pressure Δp_{min} 4 mbar
- Omnidirectional installation horizontal/vertical.

Pressure ranges & accuracy classes

Type	ZR 3	ZR 3/6	ZR 6/10	ZR 10	ZRE 3/6	ZRH 20/40
Diameter	DN 20	DN 25	DN 32	DN 40	DN 25 one pipe	DN 50
Control pressure range	18 – 50 (GMS: 18 – 30)					18 – 50
Control accuracy class	AC 10					
Look up pressure class	SG 30					

Ordering example

ZR 3/6 S with low pressure cut-off

- Diameter
- Inlet pressure ... to ... mbar
- Outlet pressure ... mbar

Design

ZR... Standard design without low pressure cut-off
ZR...S Design with low pressure cut-off



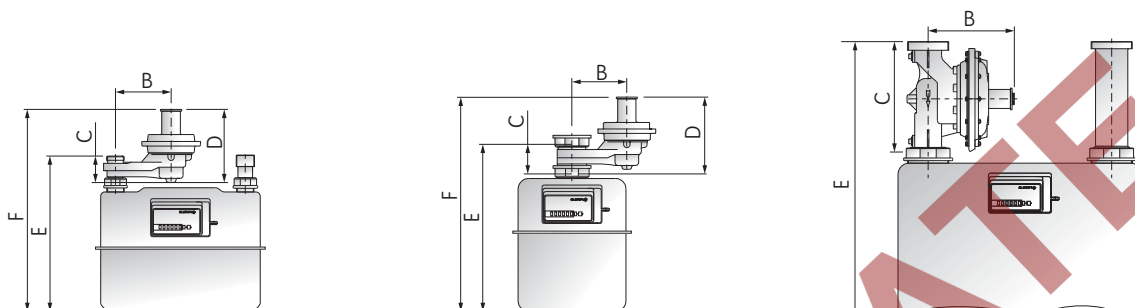
Main features

- Fully inlet pressure balanced
- Inlet pressure resistant up to 16 bar
- Excellent outlet pressure control
- Minimum differential pressure 4 mbar
- Firesafe according to DIN 33822
- Operation temperature -20 °C to +60 °C
- Sealable inspection opening at the outlet (ZRH), test hole Ø 1 mm
- Safety diaphragm
- Tamper-proof
 - crimped (DN 20 – DN 40)
 - screwed (DN 50)
- Housing cathodic immersion coated
- Sieve in inlet

Options

- Low pressure cut-off
- Flood resistant

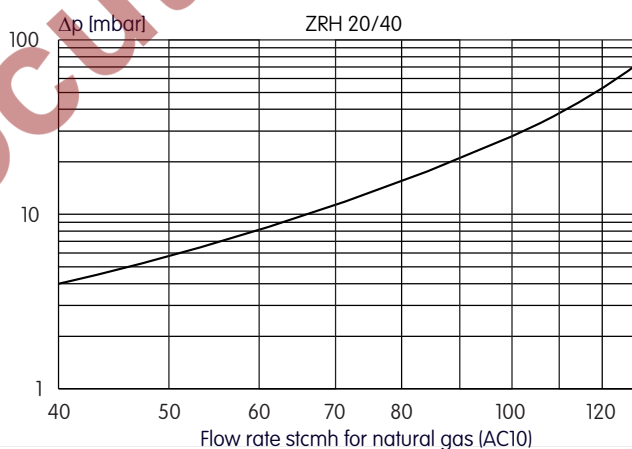
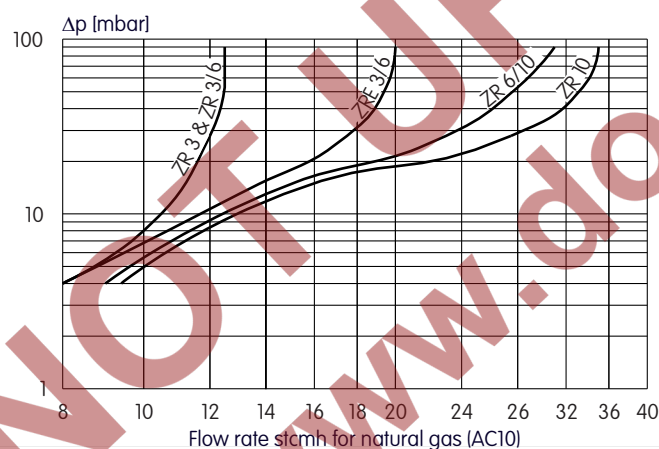
Technical data



Type	Capacities natural gas [stcm/h]		Connections		Meter	Dimensions [mm]					Weight [kg]
	Q _{max} , pu min	Q _{max} , pu max	Line	Thread		B	C	D	E	F	
ZR 3	8	12,5	DN 20	G 1	G 4	90	50	140	300	390	approx. 1.6
ZR 3/6	8	12,5	DN 25	G 1 1/4	G 4	90	50	140	291	381	approx. 1.6
					G 6	90	50	140	370	460	
ZR 6/10	9	31	DN 32	G 1 3/4	G 6	105	50	140	370	460	approx. 1.7
					G 10	105	50	140	380	470	
ZR 10	9,5	35	DN 40	G 2	G 10	105	60	145	380	475	approx. 2.1
					G 16	105	60	145	380	475	
ZRE 3/6	8	20	DN 25	G 2	G 2,5	105	58	142	273	357	
			Einrohr		G 4	105	58	142	309	393	approx. 2.0
					G 6/10	105	58	142	381	463	
ZRH 20/40	40	130	DN 50	G 2 1/2	G 25	158	205	-	603	-	approx. 4.4

Thread to ISO 228-1

Maximum capacity



Your contacts



Germany
Elster GmbH
Steinern Str. 19 - 21
55252 Mainz-Kastel
T +49 6134 605 0
F +49 6134 605 223
www.elster-instromet.com
info@elster-instromet.com

Belgium
Elster NV/SA
Rijkmakerlaan 9
2910 Essen
T +32 3 670 0700
F +32 3 667 6940
www.elster-instromet.com
info@elster-instromet.com

Singapore
Elster-Instromet Sdn. Bhd. (Singapore Branch)
29 Tai Seng Avenue
#06-05A Natural Cool Lifestyle Hub
Singapore 534119
T +65 6247 7728
F +65 6848 9003
sales@elster-instromet.com.sg

ZR EN07
A01.12.2014

73030218

Copyright 2014 Elster GmbH
All rights reserved.
Subject to change without prior notice