

# ELSTER ZR PN 0.1

Gas pressure regulator  
Inlet pressure 100 mbar  
DN 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  $\Delta p_{min}$  4 mbar
- Omnidirectional installation horizontal/vertical.



## 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  $\varnothing$  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

### Pressure ranges & accuracy classes

Type	ZR 3	ZR 3/6	ZR 6/10	ZR 10	ZR 3	ZRH 20/40
Diameter	DN 20	DN 25	DN 32	DN 40	DN 20	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

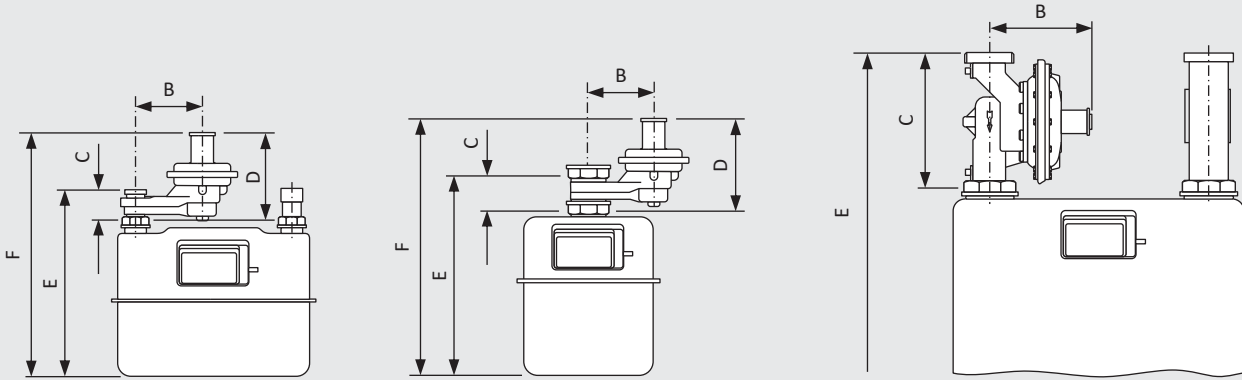


CONTROLS SUPPLY CHAIN  
VALVES ACTUATORS INSTRUMENTATIONS

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## Technical Data



Type	Capacities natural [m <sup>3</sup> /h]		Connections		Meter BK-	Dimensions [mm]					Weight [kg]
	Q <sub>max, pu min</sub>	Q <sub>max, pu max</sub>	Line	Thread		B	C	D	E	F	
ZR 3	8	21,5	DN 20	G 1	G4	90	50	140	300	390	ca. 1,6
ZR 3/6	8	12,5	DN 25	G 1¼	G4	90	50	140	291	381	ca. 1,6
					G6	90	50	140	370	460	
					G10	105	50	140	370	460	ca. 1,7
ZR 10	9,5	35	DN 40	G 2	G10	105	60	145	380	475	ca. 2,1
					G16	105	60	145	380	475	
ZRE 3/6	8	20	DN 25 one pipe	G 2	G2,5	105	58	142	273	357	ca. 2,0
					G4	105	58	142	309	393	
					G6/10	105	58	142	381	463	
ZRH 20/40	40	130	DN 50	G 2½	PN 16	158	205	-	603	-	ca. 4,4

Threads to ISO 228-1

## Maximum Capacity

