

HONEYWELL 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 Δp_{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

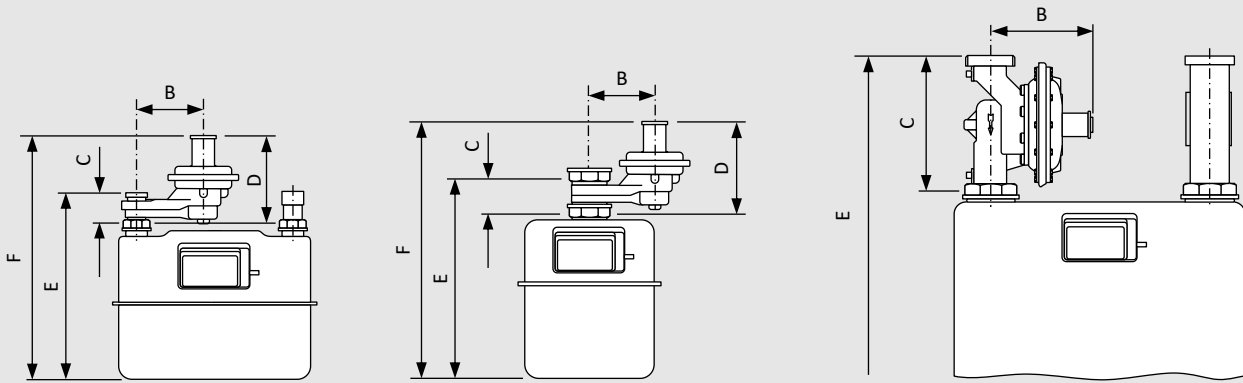
Design:

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

ZR PN 0.1

Inlet pressure 100 mbar, DN 25, 32, 40, 50

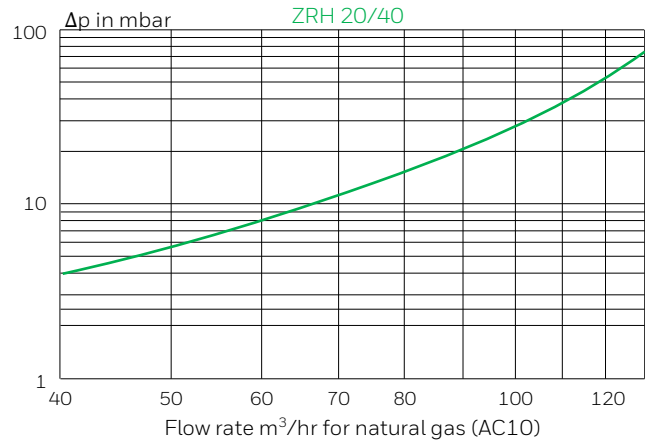
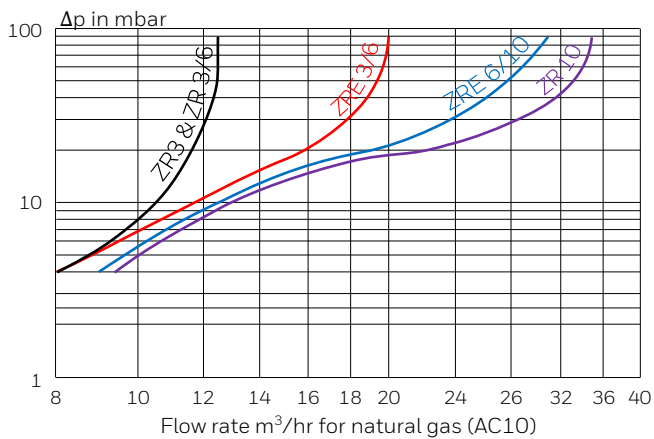
Technical Data



Type	Capacities natural [m ³ /h]		Connections		Meter BK-	Dimensions [mm]					Weight [kg]
	Q _{max, pu min}	Q _{max, pu max}	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



Your Contacts

www.smartenergy.honeywell.com

Honeywell | Smart Energy

Germany
 Elster GmbH
 Steinern St. 19 – 21
 55252 Mainz -Kastel
 T +49 6134 605 0
gas-mainz-se@honeywell.com