

HR PN 0.1

Gas pressure regulator

Inlet pressure 100 mbar

DN 25, 32, 40, 50, 65, 80, 100

Applications

Pressure reducing for

- utilisation
- domestic application

Brief information

The HR series of service regulators is intended for use with several meters in small, medium and large consumption units. They are available with or without an integrated low-pressure cut-off valve, which has an automatic reset.

The units are DVGW approved according to DIN 33822.

Registration number: 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 (HR 25/32) (different setting springs necessary)
 - Minimum differential pressure Δp_{min} 4 mbar
- Omnidirectional installation horizontal/vertical.

Pressure ranges & accuracy classes

Type / Diameter	HR 25	HR 32	HR 40	HR 50	HR 65	HR 80	HR 100
Control pressure range	18 – 50 (GMS: 18 – 30)		18 – 50				
Control accuracy class	AC 10						
Look up pressure class	SG 30						

Ordering example

HR 25 S with low pressure cut-off

- Inlet pressure ... to ... mbar
- Outlet pressure ... mbar
- Orientation

Design

HR... Standard design without low pressure cut-off

HR...S Design with low pressure cut-off



Main features

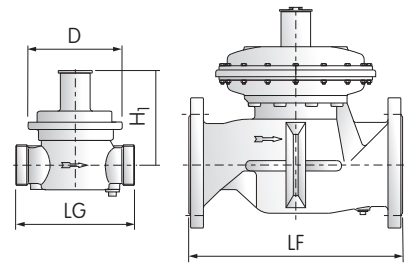
- Fully inlet pressure balanced
- Inlet pressure resistant up to 16 bar
- Excellent outlet pressure control
- Minimum differential pressure 4 mbar
- Firesafe according to DIN 33822
- Operation temperature -20 °C to +60 °C
- Safety diaphragm
- Omnidirectional installation horizontal/vertical
- Tamper-proof
 - crimped (DN 25 – DN 32)
 - screwed (DN 40 – DN 50)
- Housing cathodic immersion coated
- Sieve in inlet

Options

- Low pressure cut-off
- Flood resistant

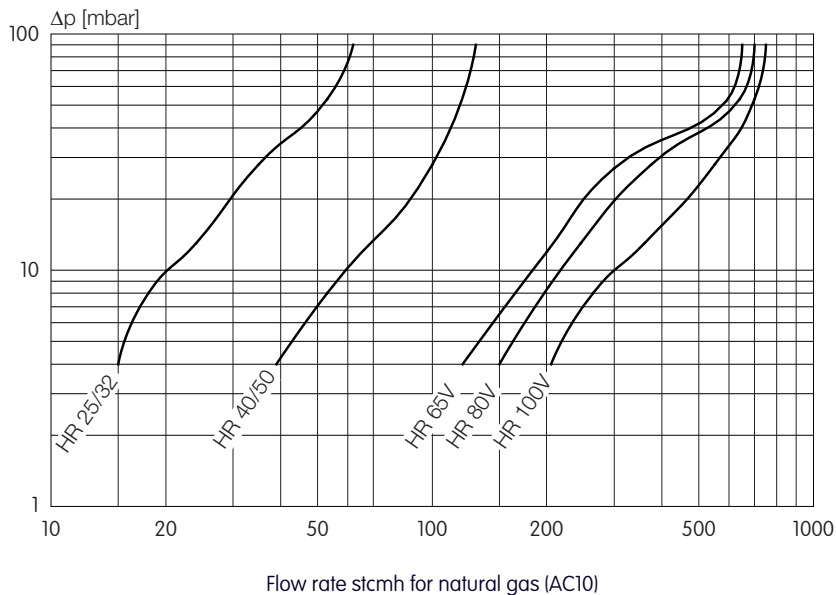
Technical data and dimensions

Type	Capacities natural gas [stcm/h]		Connection			Dimensions				Weight [kg]
	Q _{max, pu min}	Q _{max, pu max}	Line	Thread	Flange	LG	LF	H ₁	D	
HR 25	15	62	DN 25	G 1½	-	140	-	110	111	approx. 1.7
HR 32	15	62	DN 32	G 2	-	140	-	110	111	approx. 1.9
HR 40	40	130	DN 40	G 2¼	-	210	-	158	185	approx. 4.0
HR 50	45	150	DN 50	G 2¼	-	210	-	158	185	approx. 4.2
HR 65 V	120	640	DN 65	-	PN 16	-	310	259	262	approx.22.2
HR 80 V	150	700	DN 80	-	PN 16	-	310	259	262	approx.23.2
HR 100 V	205	750	DN 100	-	PN 16	-	350	259	262	approx.28.0



Flanges to EN 1092-2, form B; thread to ISO 228-1

Maximum capacity



Flow rate stcmh for natural gas (AC10)

Your contacts



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HR EN05
 A27.07.2015

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