

# 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  $\Delta p_{min}$  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

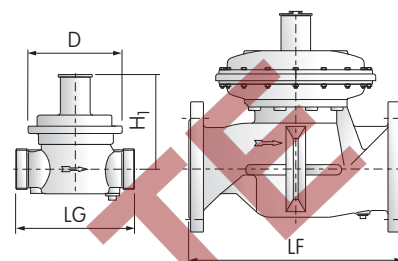
## Options

- Low pressure cut-off
- Flood resistant

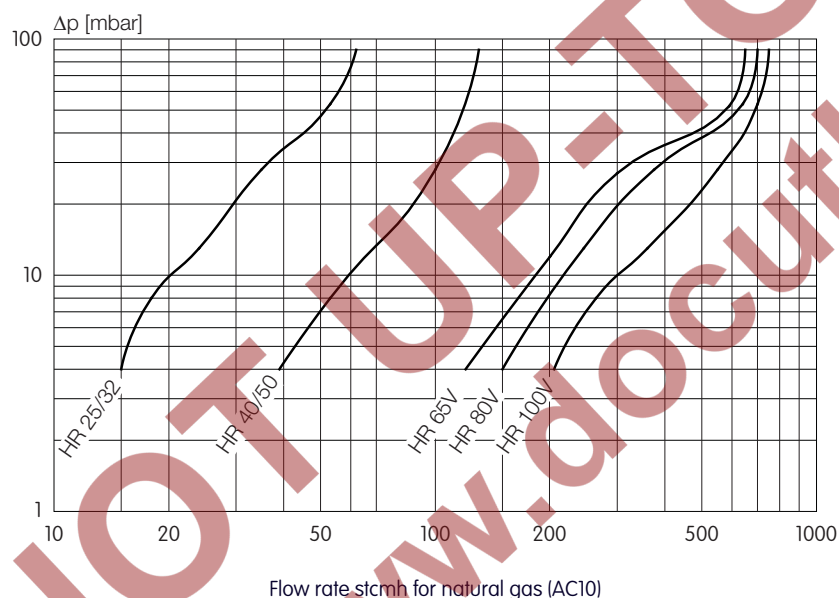
## Technical data and dimensions

| Type     | Capacities natural gas [stcm/h] |                     | Connection |        |        | Dimensions |     |                |     | Weight [kg]  |
|----------|---------------------------------|---------------------|------------|--------|--------|------------|-----|----------------|-----|--------------|
|          | $Q_{\max, pu \min}$             | $Q_{\max, pu \max}$ | Line       | Thread | Flange | LG         | LF  | H <sub>1</sub> | 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 2¾   | -      | 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



## Your contacts



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