

## PRESSURES

|                 |             |
|-----------------|-------------|
| Inlet pressure  | max. 25 bar |
| Outlet pressure | 0,2 - 2 bar |

## CONNECTIONS

Flange connection acc DIN EN 1092 PN 40  
Optionallly with ANSI or JIS flange

## SEALS AND TEMPERATURES

|      |                                            |
|------|--------------------------------------------|
| NBR  | -15 °C up to +100 °C                       |
| EPDM | -30 °C up to +130 °C / with FDA conformity |
| FKM  | -10 °C up to +190 °C                       |

## FEATURES

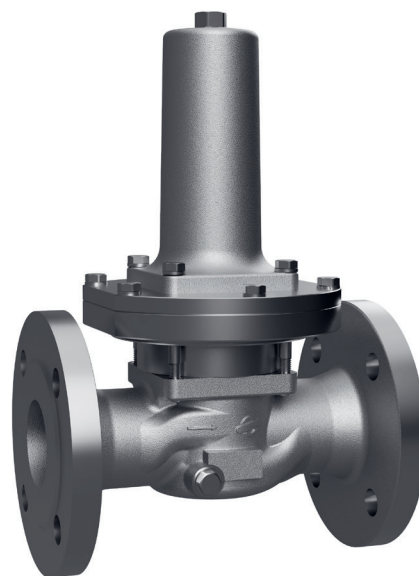
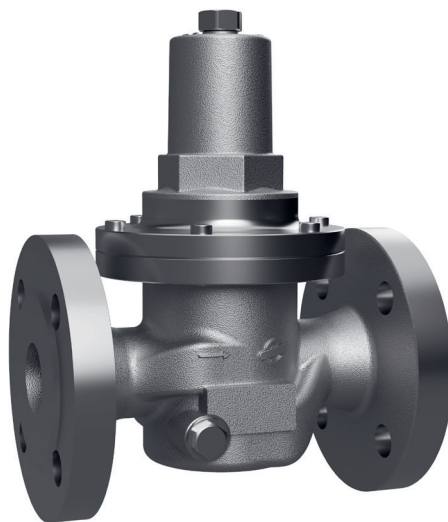
- pressure compensation
- diaphragm-controlled
- continuously adjustable outlet pressure
- with integrated strainer filter
- replaceable inner parts/cartridge principle
- double-sided G 1/4" manometer fitting  
(for outlet pressure)
- assembly position: any desired, preferably vertical
- min. pressure difference (inlet / outlet pressure): 1 bar

## MEDIA

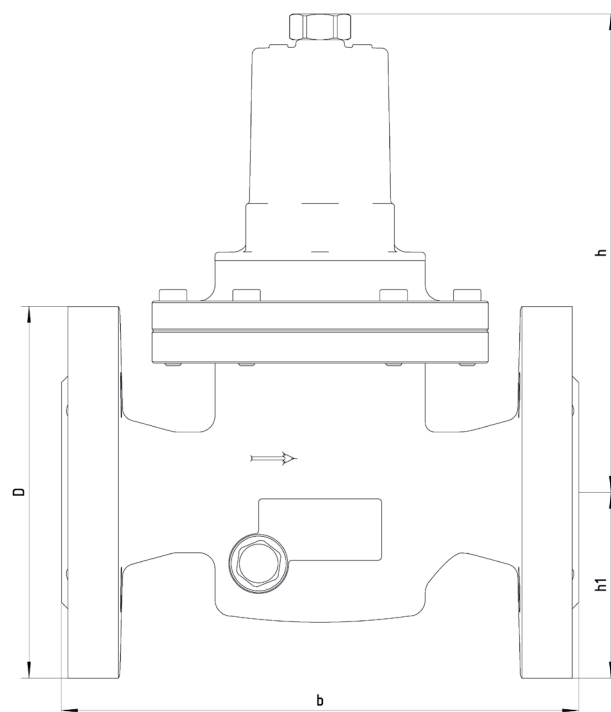
- aggressive water / other aggressive liquids
- air and neutral gases (at higher flow rates)

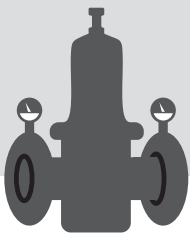
## CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

- DGRL 2014/68/EU
- Customs tariff number 848 110 05
- Certifiable by external classification societies  
e.g. DNV



| Nominal size              |    | 15      | 20  | 25  | 32  | 40      | 50   |
|---------------------------|----|---------|-----|-----|-----|---------|------|
| Type                      |    | A       |     |     |     | B       |      |
| max. inlet pressure [bar] |    |         |     |     |     |         |      |
| DRV 850                   |    | 25      |     |     |     | 25      |      |
| outlet pressure [bar]     |    |         |     |     |     |         |      |
| DRV 850                   |    | 0,2 - 2 |     |     |     | 0,2 - 2 |      |
| dimensions [mm]           |    |         |     |     |     |         |      |
| DRV 850                   | b  | 130     | 150 | 160 | 180 | 200     | 200  |
|                           | D  | 95      | 105 | 112 | 140 | 150     | 165  |
|                           | h1 | 48      | 53  | 58  | 70  | 75      | 83   |
|                           | h  | 136     | 136 | 148 | 148 | 271     | 271  |
| weight [kg]               |    |         |     |     |     |         |      |
| DRV 850                   |    | 3,3     | 4,0 | 5,9 | 7,2 | 13,5    | 15,3 |
| kvs-value [m³/h]          |    |         |     |     |     |         |      |
| DRV 850                   |    | 2,9     | 3,9 | 5,4 | 6,1 | 9       | 13   |





## Article numbers and options

### Article numbers

| Nominal size | 15 | 20 | 25 | 32 | 40 | 50 |
|--------------|----|----|----|----|----|----|
|--------------|----|----|----|----|----|----|

### Standard version

| DRV 850 | 085002 | 085003 | 085004 | 085005 | 085006 | 085007 |
|---------|--------|--------|--------|--------|--------|--------|
|---------|--------|--------|--------|--------|--------|--------|

### Options overview

| CC - connections                   |                                                                           |               | E - elastomers |                             |                     |
|------------------------------------|---------------------------------------------------------------------------|---------------|----------------|-----------------------------|---------------------|
| 00 -                               | DIN EN 1092 PN 40                                                         | standard      | 0 -            | FKM                         | standard            |
| 61 -                               | ANSI B16.5 RF                                                             | class 150 lbs | 1 -            | NBR                         | DN 15 up to DN 32   |
| 75 -                               | JIS B2220 16K                                                             |               | 8 -            | EPDM                        | with FDA conformity |
| M - material of wetted inner parts |                                                                           |               | F - finishes   |                             |                     |
| 0 -                                | stainless steel 1.4404                                                    |               | 0 -            | without additional finishes |                     |
| 9 -                                | stainless steel 1.4404<br>(including internal parts of the spring bonnet) |               |                |                             |                     |

### Configuration example of an article number with additional options

| art.no. standard version |   |   |   |   |   | - | C | C | M | E | F |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|
| 0                        | 8 | 5 | 0 | 0 | 7 | - | 6 | 1 | 0 | 8 | 0 |

inlet pressure: 6 bar  
seals: EPDM

outlet pressure: 0,5 bar  
temperature: 30 °C

connection: DN 50 ANSI B16.5 RF  
without additional finishes

## Manometer

| diameter | connection           | body            | pressure range | max. temp. | art.no. |
|----------|----------------------|-----------------|----------------|------------|---------|
| 50 mm    | G 1/4", central back | steel           | 0 - 10 bar     | 60 °C      | 009001  |
| 50 mm    | G 1/4", central back | steel           | 0 - 10 bar     | 60 °C      | 009002  |
| 63 mm    | G 1/4", central back | stainless steel | 0 - 10 bar     | 60 °C      | 009015  |
| 63 mm    | G 1/4", central back | stainless steel | 0 - 10 bar     | 200 °C     | 009014  |

## Materials

|          | body                   | spring bonnet          | seals          | wetted inner parts     | max. temperature |
|----------|------------------------|------------------------|----------------|------------------------|------------------|
| standard | stainless steel 1.4408 | stainless steel 1.4408 | EPDM, FKM, NBR | stainless steel 1.4404 | 190 °C           |

## Flow diagram

