

#### PRESSURES

|                 |              |
|-----------------|--------------|
| Inlet pressure  | max. 25 bar  |
| Outlet pressure | 1,5 - 10 bar |

#### CONNECTIONS

Flange connection acc. DIN EN 1092  
 ---- PN 25  
 ---- PN 16  
 Optionally all sizes with ANSI or JIS

#### 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

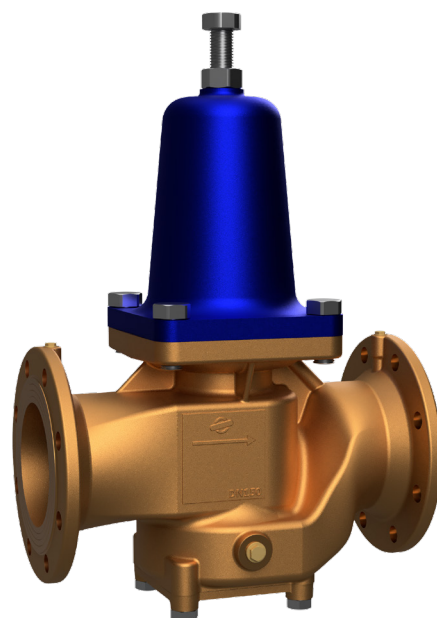
- inlet pressure compensation
- diaphragm-controlled
- continuously adjustable outlet pressure
- replaceable inner parts/cartridge principle
- double-sided G 1/4" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet - outlet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

#### MEDIA

- water and neutral, non-sticky liquids
- air and neutral gases (at higher flow rates)

#### CONFORMITY / CUSTOMS TARIFF NUMBER / CLASSIFICATION SOCIETIES

- DGRL 2014/68/EU
- Customs tariff number 848 110 99
- Certifiable by external classification societies e.g. DNV



| Nominal size | 65 | 80 | 100 | 100 | 125 | 125 | 150 | 150 |
|--------------|----|----|-----|-----|-----|-----|-----|-----|
| PN           | 25 | 25 | 16  | 25  | 16  | 25  | 16  | 25  |

max. inlet pressure [bar]

|              |         |         |    |    |    |    |    |    |
|--------------|---------|---------|----|----|----|----|----|----|
| DRV 602 (-6) | 25 (16) | 25 (16) | 16 | 25 | 16 | 25 | 16 | 25 |
| DRV 608      | 25      | 25      | 16 | 25 | 16 | 25 | 16 | 25 |

outlet pressure [bar]

|         |          |  |  |  |  |  |  |  |
|---------|----------|--|--|--|--|--|--|--|
| DRV 602 | 1,5 - 6  |  |  |  |  |  |  |  |
| DRV 608 | 3,0 - 10 |  |  |  |  |  |  |  |

dimensions [mm]

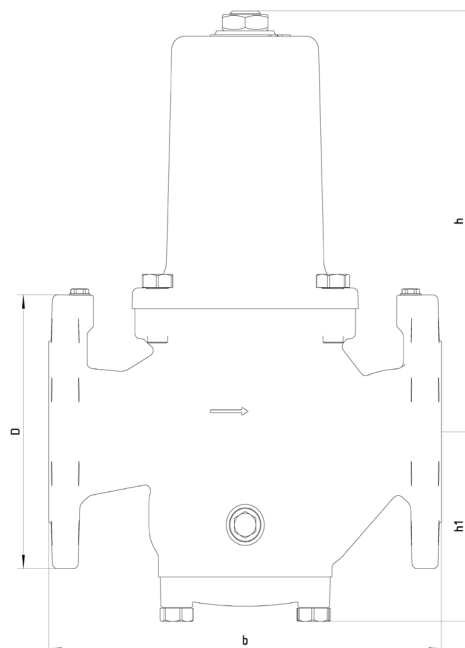
|           |    |     |     |     |     |     |     |     |     |
|-----------|----|-----|-----|-----|-----|-----|-----|-----|-----|
|           | DN | 65  | 80  | 100 | 100 | 125 | 125 | 150 | 150 |
|           | b  | 290 | 310 | 350 | 350 | 400 | 400 | 480 | 480 |
| all types | D  | 185 | 200 | 220 | 235 | 250 | 270 | 285 | 300 |
|           | h1 | 136 | 137 | 141 | 141 | 185 | 185 | 185 | 185 |
|           | h  | 308 | 308 | 308 | 308 | 548 | 548 | 548 | 548 |

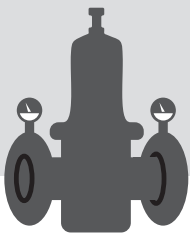
weight [kg]

|         |      |      |      |      |      |      |      |       |
|---------|------|------|------|------|------|------|------|-------|
| DRV 602 | 33,5 | 36,9 | 38,8 | 42,3 | 88,5 | 94,0 | 97,8 | 102,9 |
| DRV 608 | 33,5 | 36,9 | 38,8 | 42,3 | 90,1 | 95,3 | 99,3 | 104,5 |

kvs-value [m³/h]

|           |    |    |    |    |     |     |     |     |
|-----------|----|----|----|----|-----|-----|-----|-----|
| all types | 48 | 60 | 70 | 70 | 170 | 170 | 210 | 210 |
|-----------|----|----|----|----|-----|-----|-----|-----|





## Article numbers and options

### Article numbers

| Nominal size | 65 | 80 | 100 | 100 | 125 | 125 | 150 | 150 |
|--------------|----|----|-----|-----|-----|-----|-----|-----|
| PN           | 25 | 25 | 16  | 25  | 16  | 25  | 16  | 25  |

### Standard version

|         |        |        |        |              |        |              |        |              |
|---------|--------|--------|--------|--------------|--------|--------------|--------|--------------|
| DRV 602 | 060208 | 060209 | 060210 | 060210-55000 | 060211 | 060211-55000 | 060212 | 060212-55000 |
| DRV 608 | 060808 | 060809 | 060810 | 060810-55000 | 060811 | 060811-55000 | 060812 | 060812-55000 |

### Special version

|                            |              |              |              |              |              |              |              |              |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| high temperature -HT (602) | 060208-00030 | 060209-00030 | 060210-00030 | 060210-55030 | 060211-00030 | 060211-55030 | 060212-00030 | 060212-55030 |
| high temperature -HT (608) | 060808-00030 | 060809-00030 | 060810-00030 | 060810-55030 | 060811-00030 | 060811-55030 | 060812-00030 | 060812-55030 |
| sea water -SW (602)        | 060208-00200 | 060209-00200 | 060210-00200 | 060210-55200 | 060211-00200 | 060211-55200 | 060212-00200 | 060212-55200 |
| sea water -SW (608)        | 060808-00200 | 060809-00200 | 060810-00200 | 060810-55200 | 060811-00200 | 060811-55200 | 060812-00200 | 060812-55200 |
| drinking water -DW (602-8) | 006208       | 006209       | 006210       | --           | 006211       | --           | 006212       | --           |

### Options overview

| C C - connection |                   |                           |
|------------------|-------------------|---------------------------|
| 00 -             | DIN EN 1092 PN 16 | standard DN 100 to DN 150 |
| 00 -             | DIN EN 1092 PN 25 | standard DN 65 and DN 80  |
| 54 -             | DIN EN 1092 PN 16 | 4-hole flange DN65        |
| 55 -             | DIN EN 1092 PN 25 | DN 100 to DN 150          |
| 61 -             | ANSI B 16.5 RF    | class 150 lbs             |
| 75 -             | JIS B2220 16K     |                           |

| M - material of wetted inner parts |                 |          |
|------------------------------------|-----------------|----------|
| 0 -                                | brass / VA      | Standard |
| 2 -                                | red bronze / VA |          |

| E - elastomers |                                     |                     |
|----------------|-------------------------------------|---------------------|
| 0 -            | NBR                                 | standard            |
| 2 -            | EPDM                                |                     |
| 3 -            | FKM                                 | with FDA conformity |
| 7 -            | EPDM with drinking water conformity |                     |

| F - finishes (upon request) |                             |  |
|-----------------------------|-----------------------------|--|
| 0 -                         | without additional finishes |  |

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

| art.no. standard version |   |   |   |   |   | - | C | C | M | E | F |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|
| 0                        | 6 | 0 | 2 | 1 | 2 | - | 6 | 1 | 0 | 2 | 0 |

inlet pressure: 10 bar  
seals: EPDM

outlet pressure: 4 bar  
temperature: 30 °C

connection: DN 150 ANSI B 16.5 RF  
without additional finishes

## Manometer

| diameter | connection     | body            | pressure range | max. temp. | art.no. |
|----------|----------------|-----------------|----------------|------------|---------|
| 50 mm    | G 1/4", bottom | steel           | 0 - 10 bar     | 60 °C      | 009009  |
| 50 mm    | G 1/4", bottom | steel           | 0 - 25 bar     | 60 °C      | 009013  |
| 63 mm    | G 1/4", bottom | stainless steel | 0 - 10 bar     | 200 °C     | 009018  |
| 63 mm    | G 1/4", bottom | stainless steel | 0 - 25 bar     | 200 °C     | 009019  |

## Materials

|          | body              | spring bonnet | seals                          | wetted inner parts             | max. temperature |
|----------|-------------------|---------------|--------------------------------|--------------------------------|------------------|
| standard | red bronze CC499K | cast iron     | NBR<br>optionally<br>EPDM, FKM | brass / stainless steel<br>VA4 | 75 °C            |

## Special version

|                      |                   |           |            |                                |        |
|----------------------|-------------------|-----------|------------|--------------------------------|--------|
| high temperature -HT | red bronze CC499K | cast iron | EPDM / FKM | brass / stainless steel<br>VA4 | 190 °C |
| sea water -SW        | red bronze CC499K | cast iron | NBR        | brass / stainless steel<br>VA4 | 75 °C  |

## Flow diagram

