



**Design**

| DN 15 to DN 32  | DN 40 to DN 65                  | DN 80 to DN 125                       |
|---|---------------------------------|---------------------------------------|
| Valve body and screwed-on flanges in corrosion-resistant <i>gunmetal</i>            |                                 | Body incl. flanges in <i>gunmetal</i> |
| G-CuSn5ZnPb (Rg5) / 2.1096.01   |                                 |                                       |
| Flange fitting dimensions in accordance with DIN 2501 - PN 16, Type C sealing strip |                                 |                                       |
| Pressure-relieved single-seated valve   |                                 |                                       |
| High-quality plastics (Hostaform C) valve seat - replaceable                        |                                 | Gunmetal valve seat                   |
| NBR and SBR seals; special design available in 100% NBR                             |                                 | Seals in NBR and EPDM                 |
| Reinforced NBR diaphragm  |                                 | SBR diaphragm                         |
| Stainless-steel dirt-trap strainer  |                                 | -                                     |
| Double-ended G ¼" manometer fitting   |                                 | Double-ended G ½" manometer fitting   |
| Spring bonnet in pressed brass  | Spring bonnet in grey cast-iron |                                       |
| Compact design: all internal parts replaceable as complete part (cartridge)         | -                               |                                       |

**Assembly position**

|     |  |                             |
|-----|--|-----------------------------|
| any | vertical spring bonnet should preferably be used | vertical spring bonnet only |
|-----|--|-----------------------------|

**Application:**

Pressure reduction for **water**, other neutral non-viscous fluids, compressed air, nitrogen, and other non-combustible gases.  
Not suitable for steam!

**Working pressure (inlet pressure):**

**Max. 16 bars**

**Outlet pressure - continuously variable:**

**DRV 411: 1.5 to 6 bars**  
**DRV 412: 3 to 10 bars**  
**DRV 413: 0.5 to 4 bars**

**Minimum pressure difference inlet pressure/outlet pressure:**

Approx. 1 bar      **Maximum temperature: 75 °C**

| Nominal width DN                         | 15     | 20     | 25     | 32                 | 40        | 50        | 65        | 65<br>DIN*1 | 80<br>DIN*1 | 100<br>DIN*1 | 125<br>DIN*1 |
|--|--------|--------|--------|--------------------|-----------|-----------|-----------|-------------|-------------|--------------|--------------|
| <b>Product - DRV 411</b>                 | 41102  | 41103  | 41104  | 41105              | 41106     | 41107     | 41108     | 41198       | 41109       | 41110        | 41111        |
| <b>No. DRV 412</b>                       | 41202  | 41203  | 41204  | 41205              | 41206     | 41207     | 41208     | 41298       | 41209       | 41210        | 41211        |
| <b>DRV 413</b>                           | 41302  | 41303  | 41304  | 41305              | 41306     | 41307     | 41308     | 41398       | 41309       | 41310        | 41311        |
| <b>Dimensions [mm]</b>                   |        |        |        |                    |           |           |           |             |             |              |              |
| h1                                       | 125    | 125    | 125    | 125                | 260/295*3 | 260/295*3 | 275/310*3 | 275/310*3   | 420         | 435          | 565          |
| h2                                       | 48     | 53     | 58     | 70                 | 75        | 83        | 93        | 93          | 135         | 135          | 165          |
| b  | 100    | 105    | 110    | 122                | 158       | 215       | 170       | 290         | 310         | 350          | 400          |
| Flange Ø D                               | 95     | 105    | 115    | 140                | 150       | 165       | 185       | 185         | 200         | 220          | 270          |
| <b>Approx. weight [kg]</b>               |        |        |        |                    |           |           |           |             |             |              |              |
| <b>kvs value [m³/h]</b>                  | 2.9    | 3.9    | 5.4    | 6.1                | 12.0      | 13.0      | 20.0      | 20.0        | 60.0        | 80.0         | 130.0        |
| <b>Spare part cartridge/ Product No.</b> | 160000 | 160000 | 160000 | 160001*2<br>160002 | -         | -         | -         | -           | -           | -            | -            |

\*1 DIN overall length

\*2 Old design for DRV 411/412/413 - DN 32 (to mid '96)

\*3 DRV 412 only