



figure **287**

ends form flanged straight



## CHECK VALVE



| body material          | nominal pressure | nominal diameter | max. temperature |
|------------------------|------------------|------------------|------------------|
| A<br>grey cast iron    | C<br>16 bar      | DN<br>15-300     | 300°C            |
| C<br>nodular cast iron | C<br>16 bar      | DN<br>15-200     | 350°C            |
|                        | D<br>25 bar      | DN<br>15-200     | 350°C            |
| F<br>cast steel        | E<br>40 bar      | DN<br>15-200     | 400°C            |
| E<br>bronze            | A<br>6 bar       | DN<br>250-300    | 225°C            |
|                        | B<br>10 bar      | DN<br>150-200    | 225°C            |
|                        | C<br>16 bar      | DN<br>15-125     | 225°C            |



correspond to the pressure equipment directive 97/23/EC  
marking CE for DN≥32

### FEATURES

- closing tightness acc. EN -12334
- compact settlement
- environment-friendly
- no maintenance
- face-to-face dimension according to EN 558-1 series 1
- flanges drilled according to EN 1092-1 for type F
- flanges drilled according to EN 1092-2 for type A,C,E

### APPLICATION

- hot and cold water plants
- steam plants
- industrial technologies
- neutral fluids
- heat and refrigerating engineering,

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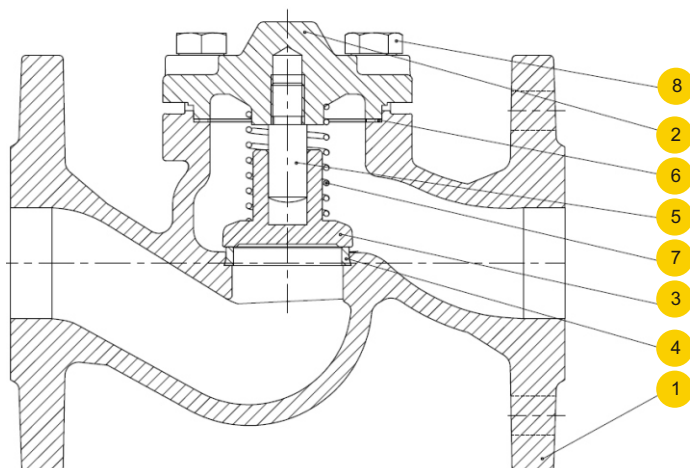
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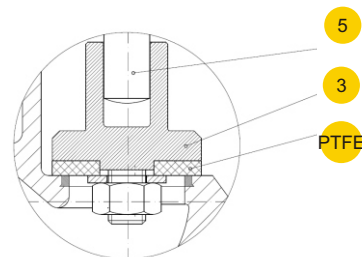
figure **287**

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## MATERIALS



type 38\*



|                  | body material | A                      | C                          | F                 | A                      | C                          | E                                             |
|------------------|---------------|------------------------|----------------------------|-------------------|------------------------|----------------------------|-----------------------------------------------|
|                  | type          | 31; 41                 |                            |                   | 33,43                  |                            | 32                                            |
| 1                | body          | EN – GJL-250<br>JL1040 | EN – GJL-400-18<br>JS 1025 | GP240GH<br>1.0619 | EN – GJL-250<br>JL1040 | EN – GJL-400-18<br>JS 1025 | CuSn5Zn5Pb5-C                                 |
| 2                | cover         | EN – GJL-250<br>JL1040 | EN – GJL-400-18<br>JS 1025 | GP240GH<br>1.0619 | EN – GJL-250<br>JL1040 | EN – GJL-400-18<br>JS 1025 | CuSn5Zn5Pb5-C                                 |
| 3                | disc          | X20Cr13<br>1.4021      |                            |                   | CuSn10                 |                            | DN15-32 CuZn35Ni<br>DN40-300<br>CuSn5Zn5Pb5-C |
| 4                | seat ring     | X12Cr13<br>1.4006      |                            |                   | CuSn10                 |                            | CuSn5Zn5Pb5-C                                 |
| 5                | stem          | X20Cr13<br>1.4021      |                            |                   | CuSn10                 |                            | DN15-32 CuZn35Ni<br>DN40-300<br>CuSn5Zn5Pb5-C |
| 6                | gasket        | graphite CrNi          |                            |                   |                        |                            | FA1                                           |
| 7                | spring        | X17CrNi16-2<br>1.4057  |                            |                   | CuSn6                  |                            | -                                             |
| 8                | hexagon bolt  | 8.8 A2A                |                            |                   |                        |                            |                                               |
| max. temperature |               | 300°C                  | 350°C                      | 400°C             | 225°C                  |                            |                                               |

\* on request max. temperature 200°C

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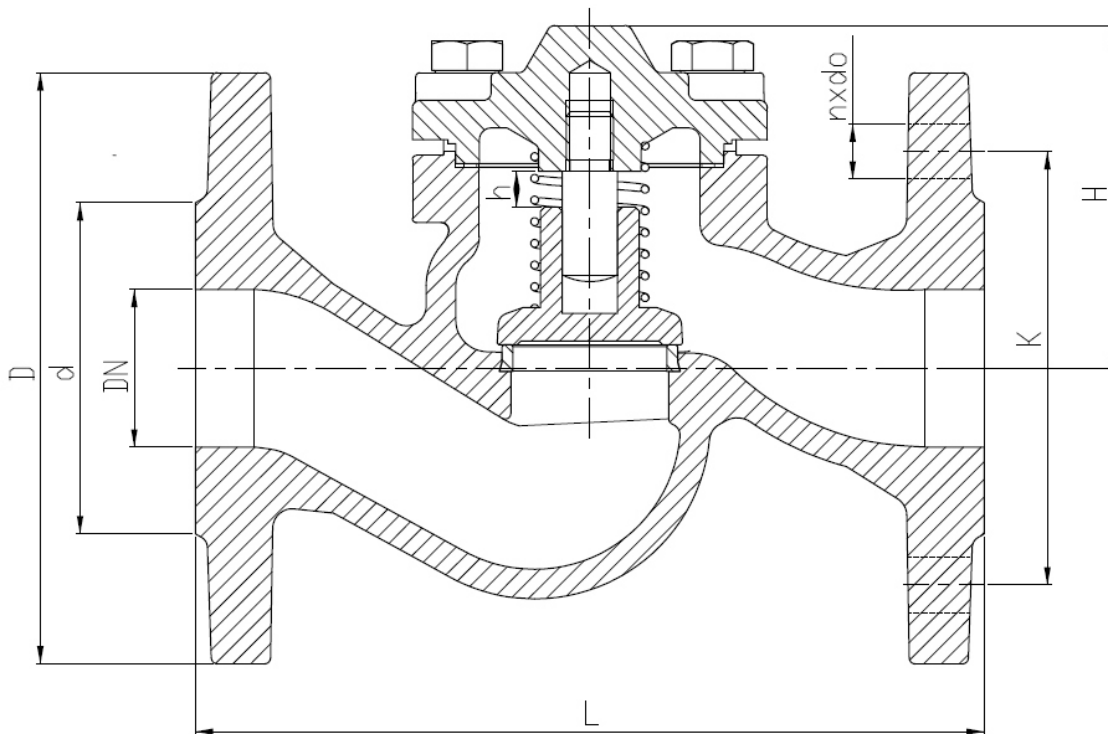
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## DIMENSIONS



| DN  | PN 16<br>PN 25<br>PN 40 | PN 16 |     |     |       | PN 25 |     |     |       | PN 40 |     |     |       | PN 16<br>PN 25 |     | PN 40 |     | A, C | F    | E    |
|-----|-------------------------|-------|-----|-----|-------|-------|-----|-----|-------|-------|-----|-----|-------|----------------|-----|-------|-----|------|------|------|
|     | L                       | D     | d   | K   | nxdo  | D     | d   | K   | nxdo  | D     | d   | K   | nxdo  | h              | H   | h     | H   |      |      |      |
| mm  |                         |       |     |     |       |       |     |     |       |       |     |     |       |                |     |       |     | kg   |      |      |
| 15  | 130                     | 95    | 46  | 65  | 4x14  | 95    | 46  | 65  | 4x14  | 95    | 45  | 65  | 4x14  | 5              | 56  | 6     | 75  | 2,1  | 3,5  | 3,5  |
| 20  | 150                     | 105   | 56  | 75  | 4x14  | 105   | 56  | 75  | 4x14  | 105   | 58  | 75  | 4x14  | 5              | 56  | 6     | 75  | 2,7  | 4,5  | 4,0  |
| 25  | 160                     | 115   | 65  | 85  | 4x14  | 115   | 65  | 85  | 4x14  | 115   | 68  | 85  | 4x14  | 8              | 67  | 6     | 75  | 3,8  | 5,5  | 5,0  |
| 32  | 180                     | 140   | 76  | 100 | 4x19  | 140   | 76  | 100 | 4x19  | 140   | 78  | 100 | 4x18  | 8              | 76  | 10    | 91  | 5,5  | 8,0  | 6,0  |
| 40  | 200                     | 150   | 84  | 110 | 4x19  | 150   | 84  | 110 | 4x19  | 150   | 88  | 110 | 4x18  | 11             | 89  | 10    | 91  | 7,4  | 11,0 | 8,5  |
| 50  | 230                     | 165   | 99  | 125 | 4x19  | 165   | 99  | 125 | 4x19  | 165   | 102 | 125 | 4x18  | 14             | 96  | 16,5  | 124 | 9,5  | 14,0 | 11,0 |
| 65  | 290                     | 185   | 118 | 145 | 4x19  | 185   | 118 | 145 | 8x19  | 185   | 122 | 145 | 8x18  | 17             | 104 | 16,5  | 125 | 15,0 | 23,0 | 15,0 |
| 80  | 310                     | 200   | 132 | 160 | 8x19  | 200   | 132 | 160 | 8x19  | 200   | 138 | 160 | 8x18  | 21             | 124 | 25    | 175 | 20,0 | 30,0 | 20,0 |
| 100 | 350                     | 220   | 156 | 180 | 8x19  | 235   | 156 | 190 | 8x23  | 235   | 162 | 190 | 8x22  | 25             | 161 | 25    | 176 | 29,0 | 47,0 | 25,0 |
| 125 | 400                     | 250   | 184 | 210 | 8x19  | 270   | 184 | 220 | 8x28  | 270   | 188 | 220 | 8x26  | 32             | 174 | 40    | 260 | 41,0 | 70,0 | 40,0 |
| 150 | 480                     | 285   | 211 | 240 | 8x23  | 300   | 211 | 250 | 8x28  | 300   | 218 | 250 | 8x26  | 38             | 197 | 40    | 260 | 66,0 | 96,0 | 55,0 |
| 200 | 600                     | 340   | 266 | 295 | 12x23 | 360   | 274 | 310 | 12x28 | 375   | 285 | 320 | 12x30 | 50             | 248 | 50    | 270 | 111  | 100  | 95   |
| 250 | 730                     | 405   | 319 | 355 | 12x28 | -     | -   | -   | -     | -     | -   | -   | -     | 65             | 295 | -     | -   | 196  | -    | 140  |
| 300 | 850                     | 460   | 370 | 410 | 12x28 | -     | -   | -   | -     | -     | -   | -   | -     | 95             | 315 | -     | -   | 302  | -    | 250  |

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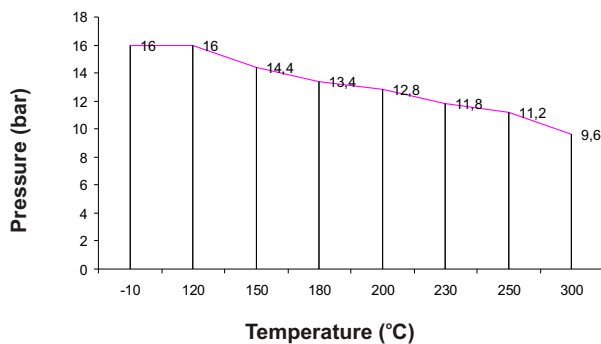
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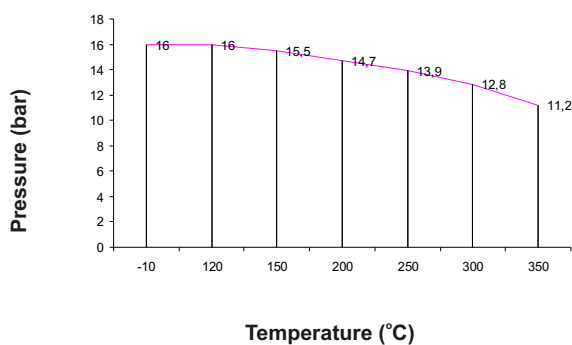
figure **287**

ends flanged  
form straight

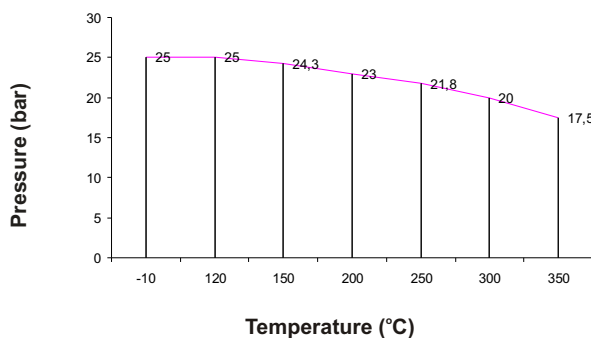
## PRESSURE-TEMPERATURE RATINGS



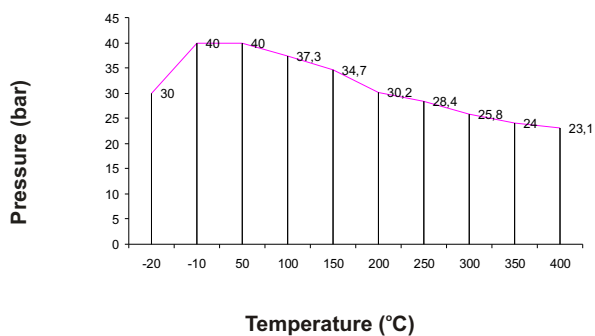
Allowed working conditions range  
PN 16 EN-GJL-250



Allowed working conditions range  
PN 16 EN-GJS-400-18-LT



Allowed working conditions range  
PN 25 EN-GJS-400-18-LT



Allowed working conditions range  
PN 40 GP24GH 1.0619

**figure 287**ends  
form flanged  
straight**TYPES**

| figure | body material                              | nominal diameter DN | nominal pressure PN | type                                                                                                       |
|--------|--------------------------------------------|---------------------|---------------------|------------------------------------------------------------------------------------------------------------|
| 287    | A<br>grey cast iron<br>EN-GJL-250          | 15-300<br>mm        | C<br>16bar          | 31 Tmax 300 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel                    |
|        |                                            |                     |                     | 38 Tmax 200 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel * disc gasket PTFE |
|        |                                            |                     |                     | 41 Tmax 300 °C<br>* loose disc without spring * stem, disc and seat ring - stainless steel                 |
|        |                                            |                     |                     | 33 Tmax 225 °C<br>* loose disc with spring * stem, disc and seat ring - bronze                             |
|        |                                            |                     |                     | 43 Tmax 225 °C<br>* loose disc without spring * stem, disc and seat ring - bronze                          |
|        | C<br>nodular cast iron<br>EN-GJS-400-18-LT | 15-200<br>mm        | C<br>16bar          | 31 Tmax 350 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel                    |
|        |                                            | 15-150<br>mm        | C<br>16bar          | 38 Tmax 200 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel * disc gasket PTFE |
|        |                                            | 15-200<br>mm        | C<br>16bar          | 41 Tmax 350 °C<br>* loose disc without spring * stem, disc and seat ring - stainless steel                 |
|        |                                            | 15-200<br>mm        | C<br>16bar          | 33 Tmax 225 °C<br>* loose disc with spring * stem, disc and seat ring - bronze                             |
|        |                                            | 15-200<br>mm        | C<br>16bar          | 43 Tmax 225 °C<br>* loose disc without spring * stem, disc and seat ring - bronze                          |
|        |                                            | 15-200<br>mm        | D<br>25bar          | 31 Tmax 350 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel                    |
|        |                                            | 15-150<br>mm        | D<br>25bar          | 38 Tmax 200 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel * disc gasket PTFE |
|        |                                            | 15-200<br>mm        | D<br>25bar          | 41 Tmax 350 °C<br>* loose disc without spring * stem, disc and seat ring - stainless steel                 |
|        |                                            | 15-200<br>mm        | D<br>25bar          | 33 Tmax 225 °C<br>* loose disc with spring * stem, disc and seat ring - bronze                             |
|        |                                            | 15-200<br>mm        | D<br>25bar          | 43 Tmax 225 °C<br>* loose disc without spring * stem, disc and seat ring - bronze                          |

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|           |                  |
|-----------|------------------|
| figure    | <b>287</b>       |
| ends form | flanged straight |

## TYPES

| figure     | body material                            | nominal diameter DN  | nominal pressure PN | type                                                                                              |
|------------|------------------------------------------|----------------------|---------------------|---------------------------------------------------------------------------------------------------|
| <b>287</b> | <b>F</b><br>cast steel<br>GP240GH 1.0619 | <b>15-200</b><br>mm  | <b>E</b><br>40bar   | <b>31</b><br>Tmax 400 °C<br>* loose disc with spring * stem, disc and seat ring - stainless steel |
|            | <b>E</b><br>bronze<br>CuSn5Zn5Pb5-C      | <b>15-125</b><br>mm  | <b>C</b><br>16bar   | <b>32</b><br>Tmax 225 °C<br>* loose disc with spring * stem- brass, disc and seat ring - bronze   |
|            |                                          | <b>15-200</b><br>mm  | <b>B</b><br>10bar   | <b>32</b><br>Tmax 225 °C<br>* loose disc with spring * stem- brass, disc and seat ring - bronze   |
|            |                                          | <b>250-300</b><br>mm | <b>A</b><br>6bar    | <b>32</b><br>Tmax 225 °C<br>* loose disc with spring * stem- brass, disc and seat ring - bronze   |

## ORDERING

To place an order please use our product number (index)

| figure     | body material | nominal diameter DN | nominal pressure PN | type      |
|------------|---------------|---------------------|---------------------|-----------|
| <b>287</b> | <b>A</b>      | <b>040</b>          | <b>C</b>            | <b>31</b> |

|                                                                   |            |          |            |          |           |
|-------------------------------------------------------------------|------------|----------|------------|----------|-----------|
| <b>ORDER EXAMPLE</b>                                              | <b>287</b> | <b>A</b> | <b>040</b> | <b>C</b> | <b>31</b> |
| check valves, ends flanged, form straight                         | <b>287</b> |          |            |          |           |
| grey cast iron EN-GJL-250                                         |            | <b>A</b> |            |          |           |
| nominal diameter DN40                                             |            |          | <b>040</b> |          |           |
| nominal pressure PN16                                             |            |          |            | <b>C</b> |           |
| loose disc with spring • stem, disc and seat ring stainless steel |            |          |            |          | <b>31</b> |

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