Partnership. With Guarantee.

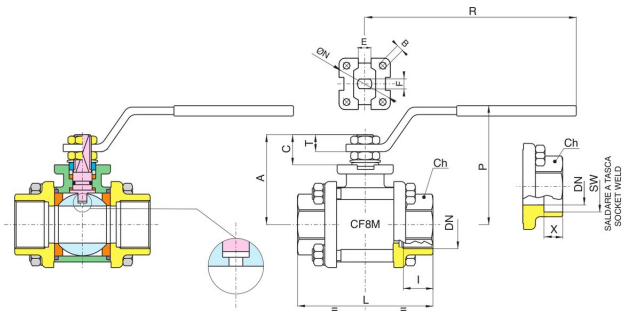
# Three-piece ball valves made of steel
# Series 714000



| | |
|---|---|
| Design type | Shut-off valve with floating ball, full bore passage, Compensation hole |
| Actuation | by 90° rotation of the hand lever |
| Connection | Weld ends DN10...DN100 according to DIN 3239 |
| Materials | Housing Steel, Ball stainless steel 1.4301, Ball seal PTFE glass-fibre reinforced, Spindle seal PTFE/FKM, Hand lever steel plastic-coated |
| Application range | Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used. For steam applications we recommend using special steam valves. |
| Medium temperature | -20...+160°C |
| Operating pressure | Vacuum max. $10^{-3}$ Torr up to Nominal pressure according to table and pressure-temperature diagram |
| Mounting type | Installation in rigid piping system |
| Mounting position | any |
| Approvals | TA-Luft, SIL 3 |
| Special versions | ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, low-dead-volume seals, oil-, grease- and silicone-free for oxygen |

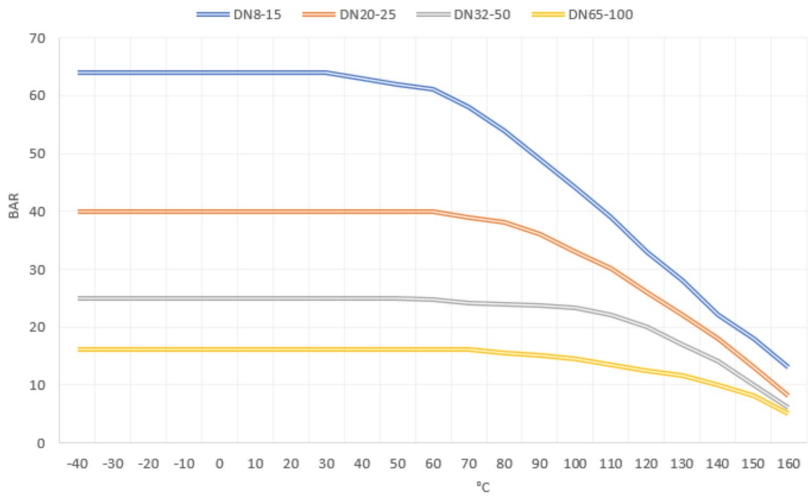


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| Nominal size DN[mm] | PN [bar] | A | CH | E | F | L | R | P | C | T | N | B | SW | X | Kv value [m³/h] | Weight [approx. kg] | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 64 | 35 | 22 | 8 | 5 | 57 | 110 | 50 | 13,5 | 9 | - | - | 18,2 | 9,5 | 8,5 | 0,27 | 714000-10 |
| 15 | 64 | 47 | 27 | 10 | 7 | 65 | 131 | 64 | 15 | 10 | 36 | 6 | 22,4 | 9,5 | 19,2 | 0,47 | 714000-15 |
| 20 | 40 | 52 | 32 | 10 | 7 | 76 | 131 | 68 | 16 | 10 | 42 | 5,5 | 27,7 | 11,1 | 35 | 0,70 | 714000-20 |
| 25 | 40 | 60 | 41 | 12 | 8 | 92 | 174 | 79 | 19,5 | 12,5 | 42 | 6 | 34,5 | 12,7 | 64,5 | 1,25 | 714000-25 |
| 32 | 25 | 64 | 50 | 12 | 8 | 106 | 174 | 83 | 19,5 | 12,5 | 42 | 5,5 | 43,2 | 14,3 | 103,8 | 1,74 | 714000-32 |
| 40 | 25 | 79 | 55 | 16 | 10 | 116 | 250 | 100 | 24 | 16,5 | 50 | 6,5 | 49,5 | 15,9 | 174 | 2,45 | 714000-40 |
| 50 | 25 | 86 | 70 | 16 | 10 | 136 | 250 | 107 | 24 | 16,5 | 50 | 6,5 | 62 | 17,5 | 301,3 | 3,90 | 714000-50 |
| 65 | 16 | 103 | 90 | 20 | 14 | 153 | 321 | 126 | 28 | 18 | 70 | M8 | 76,5 | 20 | 545,7 | 8,15 | 714000-65 |
| 80 | 16 | 114 | 105 | 20 | 14 | 180 | 321 | 137 | 28 | 18 | 70 | M8 | 89,5 | 20 | 872,5 | 12,80 | 714000-80 |
| 100 | 16 | 137 | 130 | 24 | 18 | 217 | 381 | 156 | 34,5 | 22 | 102 | M10 | 115 | 20 | 1363,3 | 21,50 | 714000-100 |

## Pressure-temperature diagram




Illustrations non-binding
Design, dimensional and material changes reserved





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