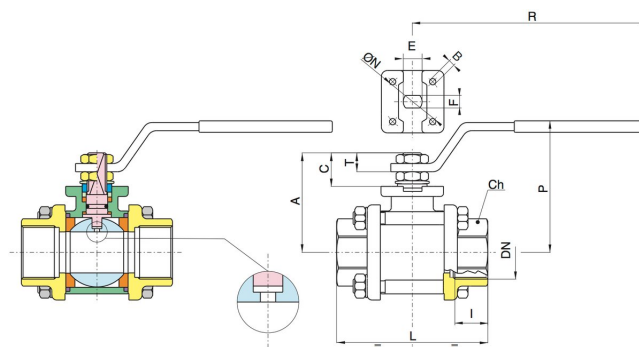


## Three-piece steel ball valves Series 713000



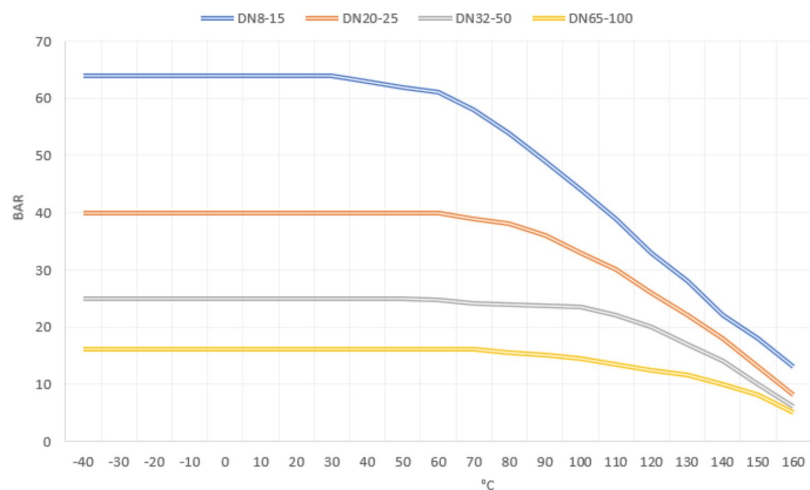
|                    |                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type        | Shut-off valve with floating ball, full bore passage, Compensation hole                                                                                              |
| Actuation          | by 90° rotation of the hand lever                                                                                                                                    |
| Connection         | RP1/4"...RP4" according to ISO7/1                                                                                                                                    |
| Materials          | Housing Steel, Ball stainless steel 1.4301, Ball seal PTFE, 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 Rated 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, Thread NPT, low dead-volume seals, oil-, grease- and silicone-free for oxygen                 |





| Connection | Nominal size<br>DN[mm] | PN<br>[bar] | A   | B   | C    | CH  | E  | F  | I    | L   | N   | P   | R   | T    | Kv value<br>[m³/h] | Weight<br>[approx. kg] | Type          |
|------------|------------------------|-------------|-----|-----|------|-----|----|----|------|-----|-----|-----|-----|------|--------------------|------------------------|---------------|
| 1/4"       | 8                      | 64          | 35  | -   | 13,5 | 22  | 8  | 5  | 11   | 57  | -   | 50  | 110 | 9    | 5,5                | 0,28                   | 713000-1/4"   |
| 3/8"       | 10                     | 64          | 35  | -   | 13,5 | 22  | 8  | 5  | 11,4 | 57  | -   | 50  | 110 | 9    | 8,5                | 0,25                   | 713000-3/8"   |
| 1/2"       | 15                     | 64          | 47  | 6   | 15   | 27  | 10 | 7  | 15   | 65  | 36  | 64  | 131 | 10   | 19,2               | 0,48                   | 713000-1/2"   |
| 3/4"       | 20                     | 40          | 52  | 5,5 | 16   | 32  | 10 | 7  | 16,3 | 76  | 42  | 68  | 131 | 10   | 35                 | 0,67                   | 713000-3/4"   |
| 1"         | 25                     | 40          | 60  | 6   | 19,5 | 41  | 12 | 8  | 19,1 | 92  | 42  | 79  | 174 | 12,5 | 64,5               | 1,22                   | 713000-1"     |
| 1 1/4"     | 32                     | 25          | 64  | 5,5 | 19,5 | 50  | 12 | 8  | 21,4 | 106 | 42  | 83  | 174 | 12,5 | 103,8              | 1,67                   | 713000-1 1/4" |
| 1 1/2"     | 40                     | 25          | 79  | 6,5 | 24   | 55  | 16 | 10 | 21,4 | 116 | 50  | 100 | 250 | 16,5 | 174                | 2,51                   | 713000-1 1/2" |
| 2"         | 50                     | 25          | 86  | 6,5 | 24   | 70  | 16 | 10 | 25,7 | 136 | 50  | 107 | 250 | 16,5 | 301,3              | 3,95                   | 713000-2"     |
| 2 1/2"     | 65                     | 16          | 103 | M8  | 28   | 90  | 20 | 14 | 30,2 | 153 | 70  | 126 | 321 | 18   | 545,7              | 7,99                   | 713000-2 1/2" |
| 3"         | 80                     | 16          | 114 | M8  | 28   | 105 | 20 | 14 | 33,3 | 180 | 70  | 137 | 321 | 18   | 872,5              | 12,94                  | 713000-3"     |
| 4"         | 100                    | 16          | 137 | M10 | 34,5 | 130 | 24 | 18 | 39,3 | 217 | 102 | 156 | 381 | 22   | 1363,3             | 21,50                  | 713000-4"     |

## Pressure-temperature diagram



Illustrations non-binding  
Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Ball valves - steel / Ball valve made of steel Series 713000

Version 14

150335 / Generated 2026/41. EN

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