

## BVE - Ball valve (stainless steel) 1/4"-4"

### Description

**BVE22** Stainless steel ball valve PN63 with two-piece body, full bore with hand lever

**BVA22** Stainless steel ball valve PN63 with two-piece body, full bore, top flange for mounting of actuator

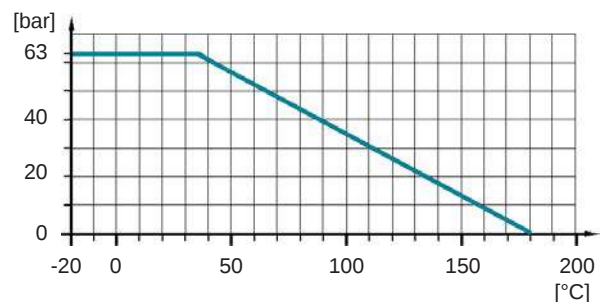
**BVE23** Stainless steel ball valve PN63 with 3-piece body, full bore, top flange for mounting of actuator

### Product features

- Connection BVE22 Thread  
BVA22 Thread  
BVE23 Thread / welding ends
- Max. working pressure 63 bar
- Temperature range BVE22: -20°C ÷ 180°C, BVE23: -20°C ÷ 200°C

### Pressure / temperature diagram

BVE23/BVA22: For temperatures >100°C a mounting bracket with adapter is mounted between ball valve and actuator.



### Type code

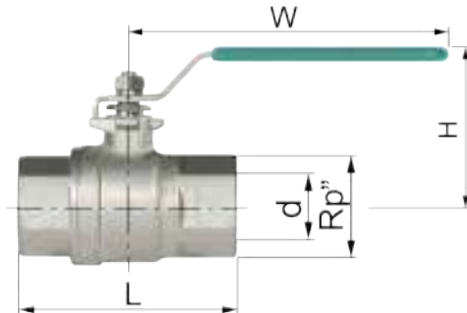
| BVE                | 22      | FT | 014 | SST                                           |
|--------------------|---------|----|-----|-----------------------------------------------|
| 1                  | 2       | 3  | 4   | 5                                             |
| 1 Type             | BVE     |    |     | ball valve with handlever                     |
| 2 Construction     | 22      |    |     | 2/2 ways, two-piece body                      |
| 3 Bore, connection | F       |    |     | full bore                                     |
|                    | T       |    |     | threaded connection DIN EN 10226-1 (DIN 2999) |
| 4 Size             | 014-300 |    |     | 1/4" - 3"                                     |
| 5 Materials        | S       |    |     | Body stainless steel                          |
|                    | S       |    |     | Ball stainless steel                          |
|                    | T       |    |     | Seat ring                                     |

| BVA                | 22      | FT | 014 | SST                                     |
|--------------------|---------|----|-----|-----------------------------------------|
| 1                  | 2       | 3  | 4   | 5                                       |
| 1 Type             | BVA     |    |     | Ball valve with top flange              |
| 2 Construction     | 22      |    |     | 2/2 ways, two-piece body                |
| 3 Bore, connection | F       |    |     | Full bore                               |
|                    | T       |    |     | Threaded ends DIN EN 10226-1 (DIN 2999) |
| 4 Size             | 014-200 |    |     | 1/4" - 2"                               |
| 5 Materials        | S       |    |     | Body stainless steel                    |
|                    | S       |    |     | Ball stainless steel                    |
|                    | T       |    |     | Seat ring                               |

| BVE            | 23      | F | T | 014 | SST                                     |
|----------------|---------|---|---|-----|-----------------------------------------|
| 1              | 2       | 3 | 4 | 5   | 6                                       |
| 1 Type         | BVE     |   |   |     | Ball valve with top flange              |
| 2 Construction | 23      |   |   |     | 2/2 ways, 3-piece body                  |
| 3 Bore         | F       |   |   |     | Full bore                               |
| 4 Connection   | T       |   |   |     | Threaded ends DIN EN 10226-1 (DIN 2999) |
|                | B       |   |   |     | Butt weld ends ANSI B16.25              |
|                | S       |   |   |     | Socket weld ends ANSI B16.11            |
| 5 Size         | 014-400 |   |   |     | 1/4" - 4"                               |
| 6 Materials    | S       |   |   |     | Body stainless steel                    |
|                | S       |   |   |     | Ball stainless steel                    |
|                | T       |   |   |     | Seat ring                               |

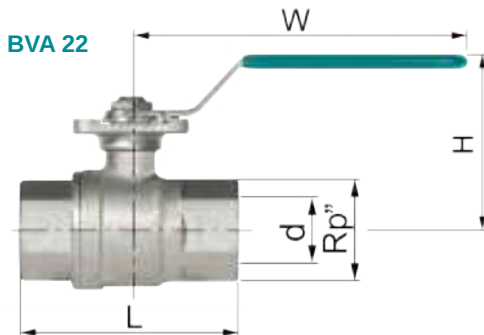
## Dimensions

### BVE 22



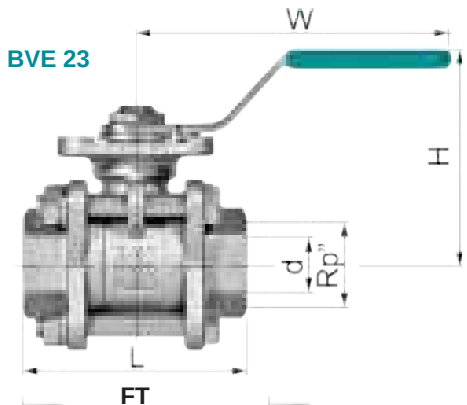
| Rp" | d    | L   | H    | W   | kv[m³/h] | [kg] |
|-----|------|-----|------|-----|----------|------|
| ¼   | 11,0 | 50  | 50   | 104 | 6        | 0,21 |
| ⅜   | 12,7 | 50  | 50   | 104 | 10       | 0,20 |
| ½   | 15,0 | 55  | 51,5 | 104 | 24       | 0,24 |
| ¾   | 20,6 | 70  | 62   | 122 | 43       | 0,44 |
| 1   | 25,4 | 83  | 65   | 122 | 83       | 0,61 |
| 1¼  | 31,8 | 91  | 82   | 180 | 130      | 1,08 |
| 1½  | 38,1 | 103 | 88   | 205 | 205      | 1,54 |
| 2   | 50,8 | 120 | 106  | 219 | 340      | 2,65 |
| 2½  | 65,0 | 152 | 119  | 240 | 520      | 4,71 |
| 3   | 80,0 | 172 | 135  | 275 | 1100     | 7,29 |

### BVA 22

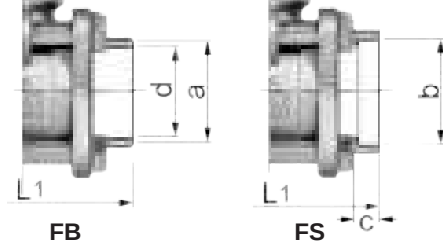


| Rp" | d    | L    | H   | W   | ISO 5211 | kv[m³/h] | [kg] |
|-----|------|------|-----|-----|----------|----------|------|
| ¼   | 11,0 | 50   | 62  | 112 | F03      | 6        | 0.30 |
| ⅜   | 12,7 | 50   | 62  | 112 | F03      | 10       | 0.30 |
| ½   | 15,0 | 55   | 63  | 112 | F04      | 24       | 0.35 |
| ¾   | 20,6 | 70.5 | 70  | 138 | F04/F05  | 43       | 0.56 |
| 1   | 25,4 | 83   | 70  | 138 | F04/F05  | 83       | 0.78 |
| 1¼  | 31,8 | 91   | 88  | 160 | F05/F07  | 130      | 1.35 |
| 1½  | 38,1 | 103  | 94  | 205 | F05/F07  | 205      | 1.90 |
| 2   | 50,8 | 120  | 100 | 205 | F05/F07  | 340      | 2.83 |

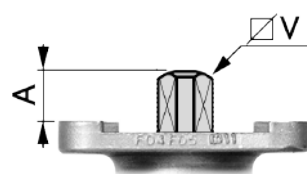
### BVE 23



| Rp" | d    | L    | L1   | H   | W   | a    | b     | c  | FT [kg] | FB [kg] | FS [kg] | kv[m³/h] |
|-----|------|------|------|-----|-----|------|-------|----|---------|---------|---------|----------|
| ¼   | 11   | 47,6 | 47,6 | 60  | 112 | 13   | 14,1  | 10 | 0,39    | 0,37    | 0,38    | 6        |
| ⅜   | 12,7 | 47,6 | 47,6 | 60  | 112 | 14,7 | 17,6  | 10 | 0,38    | 0,37    | 0,38    | 10       |
| ½   | 15   | 56   | 55   | 60  | 112 | 17   | 21,7  | 10 | 0,44    | 0,44    | 0,44    | 24       |
| ¾   | 20   | 73   | 73   | 70  | 138 | 22   | 27,1  | 14 | 0,82    | 0,81    | 0,82    | 43       |
| 1   | 25   | 82   | 81   | 70  | 138 | 28   | 33,8  | 14 | 1,02    | 0,99    | 1,02    | 83       |
| 1¼  | 32   | 91   | 91   | 88  | 160 | 35   | 42,6  | 15 | 1,79    | 1,77    | 1,78    | 130      |
| 1½  | 40   | 104  | 103  | 94  | 205 | 43   | 48,7  | 15 | 2,46    | 2,35    | 2,47    | 205      |
| 2   | 50   | 120  | 120  | 100 | 205 | 54   | 61,1  | 19 | 3,47    | 3,28    | 3,40    | 340      |
| 2½  | 65   | 155  | 155  | 150 | 330 | 69   | 73,8  | 21 | 8,50    | 8,55    | 8,80    | 520      |
| 3   | 80   | 182  | 182  | 165 | 330 | 87   | 89,8  | 24 | 12,40   | 11,85   | 12,35   | 1100     |
| 4   | 100  | 220  | 229  | 175 | 340 | 105  | 115,5 | 35 | 19,65   | 20,30   | 19,60   | 1820     |



### BVA22 / BVE23



| Rp" | A  | V  | ISO 5211 |
|-----|----|----|----------|
| ¼   | 10 | 9  | F03      |
| ⅜   | 10 | 9  | F03      |
| ½   | 11 | 9  | F03/F04  |
| ¾   | 11 | 11 | F04/F05  |
| 1   | 11 | 11 | F04/F05  |
| 1¼  | 15 | 14 | F05/F07  |
| 1½  | 15 | 14 | F05/F07  |
| 2   | 15 | 14 | F05/F07  |
| 2½  | 19 | 17 | F07/F10  |
| 3   | 19 | 17 | F07/F10  |
| 4   | 19 | 17 | F07/F10  |

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