

# **Ball valves**

#### Screw-in ball valves, 2-piece, full bore

Materials: Housing: Brass nickel-plated, ball: Brass chrome-plated, seal: PTFE/NBR

Temperature range: Air: -20°C to max. +95°C

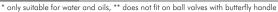
Operating range: Compressed air, water, oils

Optional: With butterfly handle -KN (1/4"-11/4")

|               |             |    | ,     |    |     |        |
|---------------|-------------|----|-------|----|-----|--------|
|               |             |    |       |    |     |        |
| Туре          | G1/G2       | DN | L     | Н  | R   | PN     |
| KH 14 B iA E  | R/Rp 1/4"   | 9  | 48.5  | 38 | 75  | 25 bar |
| KH 38 B iA E  | R/Rp 3/8"   | 10 | 50.0  | 38 | 75  | 25 bar |
| KH 12 B iA E  | R/Rp 1/2"   | 15 | 57.5  | 43 | 85  | 25 bar |
| KH 34 B iA E  | R/Rp 3/4"   | 19 | 63.8  | 46 | 85  | 25 bar |
| KH 10 B iA E  | R/Rp 1"     | 24 | 74.5  | 54 | 113 | 25 bar |
| KH 114 B iA E | R/Rp 1 1/4" | 30 | 87.0  | 67 | 142 | 25 bar |
| KH 112 B iA E | R/Rp 1 1/2" | 37 | 98.0  | 73 | 142 | 25 bar |
| KH 20 B iA E* | R/Rp 2"     | 47 | 113.5 | 83 | 175 | 25 bar |
|               |             |    |       |    |     |        |

|   | Replacement handles** |
|---|-----------------------|
|   | G KH 1438 B E         |
|   | G KH 1438 B E         |
|   | G KH 1234 B E         |
|   | G KH 1234 B E         |
|   | G KH 10 B E           |
| 1 | G KH 114112 B E       |
|   | G KH 114112 B E       |
|   | G KH 20 B E           |

Eco-Line/PN 25



Order example: KH 14 B iA E \*\*

Standard type

Designation for the options: Butterfly handle

#### Screw-in ball valves, 2-piece, full bore

Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE/NBR

Temperature range: -20°C to max. +150°C

Operating range: Water (no steam), neutral, gaseous and non-aggressive, liquid media, mineral oils, compressed air, vacuum (max. -0.9 bar)

Advantages: • By purchasing the optional combi handles (page 281), you can construct various handle variations:

Standard handle in red, yellow, blue and black

- Butterfly handle in colours red, yellow, blue, black and green
- Flat steel handle in red, yellow and green (optional: lockable)
- Long handle in red

#### Screw-in ball valves, 2-piece, full bore, short design

| up | to | <b>5</b> 0 | bar |
|----|----|------------|-----|
|    |    |            |     |

up to 50 bar

| Туре        |    |     | Туре             |    |    |          |    |       |        | Combi han- |
|-------------|----|-----|------------------|----|----|----------|----|-------|--------|------------|
| standard    | Н  | R   | butterfly handle | Н  | R  | G        | DN | L     | PN     | dle size*  |
| KH 14 B iA  | 37 | 80  | KH 14 B iA KN    | 37 | 24 | G 1/4"   | 8  | 54.0  | 50 bar | 1          |
| KH 38 B iA  | 37 | 80  | KH 38 B iA KN    | 37 | 24 | G 3/8"   | 10 | 54.0  | 50 bar | 1          |
| KH 12 B iA  | 41 | 80  | KH 12 B iA KN    | 41 | 24 | G 1/2"   | 15 | 58.5  | 50 bar | 1          |
| KH 34 B iA  | 55 | 113 | KH 34 B iA KN    | 47 | 31 | G 3/4"   | 20 | 66.5  | 40 bar | 3          |
| KH 10 B iA  | 59 | 113 | KH 10 B iA KN    | 51 | 31 | G 1"     | 25 | 78.5  | 40 bar | 3          |
| KH 114 B iA | 75 | 138 | KH 114 B iA KN   | 64 | 35 | G 1 1/4" | 32 | 91.5  | 30 bar | 4          |
| KH 112 B iA | 81 | 138 |                  |    |    | G 1 1/2" | 40 | 105.5 | 30 bar | 4          |
| KH 20 B iA  | 96 | 158 |                  |    |    | G 2"     | 50 | 122.0 | 25 bar | 5          |

<sup>\*</sup> combi handles can be found on page 281

## up to 50 bar

up to 20 bar

Advantages: • By purchasing the optional combi handles (page 281), you can construct various handle variations:



- Standard handle in red, yellow, blue and black
- Butterfly handle in colours red, yellow, blue, black and green - Flat steel handle in red, yellow and green (optional: lockable)
- Long handle in red

Screw-in ball valves, 2-piece, full bore

| Туре      |     |     | Туре             |    |    |            |     |       |        | Combi han- |
|-----------|-----|-----|------------------|----|----|------------|-----|-------|--------|------------|
| standard  | Н   | R   | butterfly handle | Н  | R  | G1/G2      | DN  | L     | PN     | dle size*  |
| KH 14 iA  | 37  | 80  | KH 14 iA KN      | 37 | 24 | R/Rp 1/4"  | 8   | 56.9  | 50 bar | 1          |
| KH 38 iA  | 37  | 80  | KH 38 iA KN      | 37 | 24 | R/Rp 3/8"  | 10  | 58.9  | 50 bar | 1          |
| KH 12 iA  | 49  | 89  | KH 12 iA KN      | 44 | 27 | R/Rp 1/2"  | 15  | 76.5  | 50 bar | 2          |
| KH 34 iA  | 58  | 113 | KH 34 iA KN      | 50 | 31 | R/Rp 3/4"  | 20  | 83.5  | 40 bar | 3          |
| KH 10 iA  | 61  | 113 | KH 10 iA KN      | 53 | 31 | R/Rp 1"    | 25  | 93.0  | 40 bar | 3          |
| KH 114 iA | 75  | 138 |                  |    |    | R/Rp 1 1/4 | 32  | 110.0 | 30 bar | 4          |
| KH 112 iA | 91  | 158 |                  |    |    | R/Rp 1 1/2 | 40  | 121.0 | 30 bar | 5          |
| KH 20 iA  | 98  | 158 |                  |    |    | R/Rp 2"    | 50  | 140.5 | 25 bar | 5          |
| KH 212 iA | 127 | 250 |                  |    |    | G 21/2"    | 65  | 155.5 | 18 bar | 7          |
| KH 30 iA  | 136 | 250 |                  |    |    | G 3"       | 80  | 178.0 | 16 bar | 7          |
| KH 40 iA  | 154 | 250 |                  |    |    | G 4"       | 100 | 208.0 | 14 bar | 7          |

combi handles can be found on page 281,  $^{**}$  not for combi handle size 3

### Ball valves with male threads, 2-piece, full bore

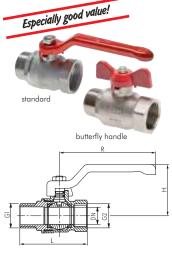
Materials: Housing: Brass nickel-plated, ball: Brass hard chrome-plated, seal: PTFE

Temperature range: -20°C to max. +110°C

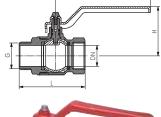
Operating range: Water (no steam), neutral, gaseous and non-aggressive, liquid media, mineral oils, fuel and compressed air, vacuum (max. -0.9 bar)

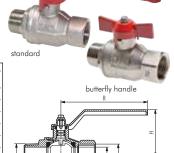
| Туре      | G       | DN    | L   | Н  | R   | PN     |
|-----------|---------|-------|-----|----|-----|--------|
| KH 38 AA  | G 3/8"  | 10    | 49  | 46 | 92  | 20 bar |
| KH 12 AA  | G 1/2"  | 15    | 59  | 51 | 92  | 20 bar |
| KH 34 AA  | G 3/4"  | 20    | 65  | 54 | 92  | 20 bar |
| KH 10 AA  | G 1"    | 25    | 77  | 63 | 115 | 20 bar |
| KH 114 AA | G 1 1/4 | 1" 32 | 87  | 77 | 125 | 16 bar |
| KH 112 AA | G 1 1/2 | 2" 40 | 103 | 88 | 150 | 16 bar |
| KH 20 AA  | G 2"    | 50    | 113 | 97 | 150 | 16 bar |

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C

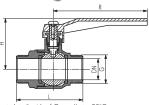












283