

## Edelstahl-Flansch-Kugelhahn KS90 PN16 / KS91 PN40

### flanged ball valve made of stainless steel KS90 PN16 / KS91 PN40



Abbildung ggf. abweichend - picture may be different

| Material             |                | material     |                   |
|----------------------|----------------|--------------|-------------------|
| Gehäuse              | Edelstahl      | body         | stainless steel   |
| Kugel                | Edelstahl      | ball         | stainless steel   |
| Schaltwelle          | Edelstahl      | stem         | stainless steel   |
| Kugeldichtung        | PTFE           | ball sealing | PTFE              |
| Schaltwellendichtung | O-Ring FKM     | stem sealing | o-ring FKM        |
| Griff                | Stahl verzinkt | handle       | steel zinc coated |

| Merkmale  | details  |
|---|--|
| <ul style="list-style-type: none"> <li>▶ Flansch-Kugelhahn zum Absperrn des Leitungssystems für gasförmige und flüssige Medien im Rahmen der verwendeten Werkstoffe</li> <li>▶ Betriebsdruck / Nennweiten:<br/>Typ KS90    PN16    DN65 ... DN300<br/>Typ KS91    PN40    DN15 ... DN300</li> <li>▶ Flanschmaße nach DIN EN 1092</li> <li>▶ kurze Bauform nach DIN EN 558-1<br/>DN15 – DN100    F4<br/>DN125 – DN300    F5</li> <li>▶ Montageflansch nach ISO 5211</li> <li>▶ CE-Registrierung Modul H, Fire-Safe, ATEX, TA-Luft<br/>Temperaturbereich: -20 °C ... +100 °C</li> <li>▶ Kennzeichnung:<br/>AZ, Typ, DN, PN, CE, Ident.-Nr.</li> </ul> | <ul style="list-style-type: none"> <li>▶ flanged ball valve to shut off the line system for gaseous and liquid media in line of the materials</li> <li>▶ operating pressure / nominal sizes:<br/>type KS90    PN16    DN65 ... DN300<br/>type KS91    PN40    DN15 ... DN300</li> <li>▶ flange dimensions acc. to DIN EN 1092</li> <li>▶ short construction form acc. to DIN EN 558-1<br/>DN15 – DN100    F4<br/>DN125 – DN300    F5</li> <li>▶ mounting flange acc. ISO 5211</li> <li>▶ CE-registration module H, Fire-Safe, ATEX, TA-Luft<br/>temperature range: -20 °C ... +100 °C</li> <li>▶ marking:<br/>AZ, model, DN, PN, CE, ident.-no.</li> </ul> |

## Edelstahl-Flansch-Kugelhahn KS90 PN16 / KS91 PN40 flanged ball valve made of stainless steel KS90 PN16 / KS91 PN40

| Merkmale   | details   |
|--|---|
| <b>auf Anfrage:</b> <ul style="list-style-type: none"> <li>▶ Prüfzeugnis nach EN 10204/3.1 (Prüfung / Abnahme nach DIN 3230 Teil5 PG3)</li> <li>▶ Ausführung aus Stahl → Typ KS76.5 / KS76.6</li> <li>▶ mit Antrieb</li> <li>▶ ATEX</li> <li>▶ öl- und fettfrei / silikonfrei</li> <li>▶ Flansche ANSI 150 &amp; ANSI 300</li> </ul> | <b>on request:</b> <ul style="list-style-type: none"> <li>▶ test certificate acc. to EN 10204/3.1 (test acc. to DIN 3230 part 5 PG3)</li> <li>▶ made of steel → type KS76.5 / KS76.6</li> <li>▶ with actuator</li> <li>▶ ATEX</li> <li>▶ oil- and grease free / silicone-free</li> <li>▶ flanges ANSI 150 &amp; ANSI 300</li> </ul> |

Flanschmaße für Antriebsaufbau · flange dimensions for actuator mounting

|  | DN  | E   | F mm | ØN mm | B   | ISO 5211 | Losbrechmoment breakaway torque PN16 / PN40 [Nm] |
|--|-----|-----|------|-------|-----|----------|--|
|  | 15  | M10 | 7    | 42    | M5  | F04      | 5/5  |
|  | 20  | M10 | 7    | 42    | M5  | F04      | 18/18  |
|  | 25  | M12 | 8    | 50    | M6  | F05      | 19/19  |
|  | 32  | M12 | 8    | 50    | M6  | F05      | 23/23  |
|  | 40  | M16 | 10   | 50    | M6  | F05      | 29/29  |
|  | 50  | M20 | 14   | 70    | M8  | F07      | 42/42  |
|  | 65  | M20 | 14   | 70    | M8  | F07      | 67/76  |
|  | 80  | M24 | 18   | 102   | M10 | F10      | 79/91  |
|  | 100 | M24 | 18   | 102   | M10 | F10      | 119/139  |
|  | 125 | M24 | 18   | 102   | M10 | F10      | 127/—  |
|  | 150 | M42 | 30   | 125   | M12 | F12      | 360/423  |
|  | 200 | M42 | 30   | 125   | M12 | F12      | 724/793  |
|  | 250 | M52 | 38   | 140   | M16 | F14      | 1600   |
|  | 300 | M52 | 38   | 140   | M16 | F14      | 1600   |

## Edelstahl-Flansch-Kugelhahn KS90 PN16 /KS91 PN40

### flanged ball valve made of stainless steel KS90 PN16 / KS91 PN40

#### Bestellinformation KS90 PN16 - order information KS90 PN16

| Bezeichnung type | DN  | PN | D mm | I mm | H mm | W mm | L mm | kg    | K <sub>v</sub> m <sup>3</sup> /h | Bestell-Nr. Order-no. |
|------------------|-----|----|------|------|------|------|------|-------|----------------------------------|-----------------------|
| KS90-065-16-F4   | 65  | 16 | 185  | 61   | 133  | 321  | 170  | 15,3  | 540                              | 11-090-065-170        |
| KS90-080-16-F4   | 80  | 16 | 200  | 76   | 152  | 381  | 180  | 20,5  | 873                              | 11-090-080-180        |
| KS90-100-16-F4   | 100 | 16 | 220  | 80   | 165  | 381  | 190  | 26,8  | 1320                             | 11-090-100-190        |
| KS90-125-16-F5   | 125 | 16 | 250  | 149  | 187  | 382  | 325  | 50,2  | 1707                             | 11-090-125-325        |
| KS90-150-16-F5   | 150 | 16 | 285  | 157  | 305  | 700  | 350  | 75,7  | 2024                             | 11-090-150-350        |
| KS90-200-16-F5   | 200 | 16 | 340  | 190  | 348  | 700  | 400  | 104,0 | 2720                             | 11-090-200-400        |
| KS90-250-16-F5   | 250 | 16 | 405  | 225  | 367  | 1100 | 450  | 180   | 8500                             | 11-090-250-450        |
| KS90-300-16-F5   | 300 | 16 | 460  | 250  | 403  | 1100 | 500  | 226   | 14000                            | 11-090-300-500        |

#### Bestellinformation KS91 PN40 - order information KS90 PN16

| Bezeichnung type | DN  | PN | D mm | I mm | H mm | W mm | L mm | kg    | K <sub>v</sub> m <sup>3</sup> /h | Bestell-Nr. Order-no. |
|------------------|-----|----|------|------|------|------|------|-------|----------------------------------|-----------------------|
| KS91-015-40-F4   | 15  | 40 | 95   | 49   | 52   | 131  | 115  | 2,5   | 16,3                             | 11-091-015-115        |
| KS91-020-40-F4   | 20  | 40 | 105  | 52   | 56   | 131  | 120  | 3,2   | 29,5                             | 11-091-020-120        |
| KS91-025-40-F4   | 25  | 40 | 115  | 53   | 73   | 174  | 125  | 4,5   | 43,0                             | 11-091-025-125        |
| KS91-032-40-F4   | 32  | 40 | 140  | 55   | 76   | 174  | 130  | 5,8   | 89,0                             | 11-091-032-130        |
| KS91-040-40-F4   | 40  | 40 | 150  | 51   | 107  | 250  | 140  | 8,1   | 230                              | 11-091-040-140        |
| KS91-050-40-F4   | 50  | 40 | 165  | 58   | 122  | 321  | 150  | 11,4  | 265                              | 11-091-050-150        |
| KS91-065-40-F4   | 65  | 40 | 185  | 61   | 133  | 321  | 170  | 15,4  | 540                              | 11-091-065-170        |
| KS91-080-40-F4   | 80  | 40 | 200  | 76   | 152  | 381  | 180  | 21,6  | 873                              | 11-091-080-180        |
| KS91-100-40-F4   | 100 | 40 | 235  | 80   | 165  | 381  | 190  | 31,2  | 1320                             | 11-091-100-190        |
| KS91-150-40-F5   | 150 | 40 | 300  | 157  | 305  | 700  | 350  | 82,7  | 2024                             | 11-091-150-350        |
| KS91-200-40-F5   | 200 | 40 | 375  | 190  | 348  | 700  | 400  | 143,0 | 2720                             | 11-091-200-400        |
| KS91-250-40-F5   | 250 | 40 | 450  | 225  | 367  | 1100 | 450  | —     | 8500                             | 11-091-250-450        |
| KS91-300-40-F5   | 300 | 40 | 515  | 250  | 403  | 1100 | 500  | —     | 14000                            | 11-091-300-500        |