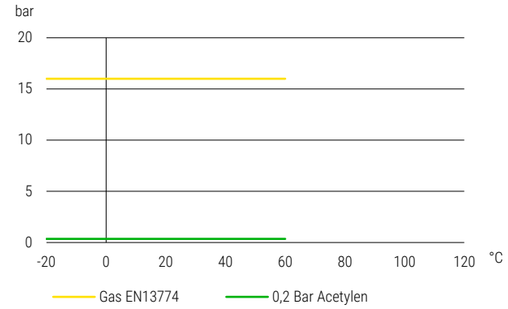
KSL75B | KSL75E | KSL75F | KSA75B | **KSN75B** | KSN75E | KSN75F

# KSN75B | Hebelgriff | Fl/Fl | Kugel Edelstahl DVGW Gas PN 16

## KSN75B | Lever handle | Fl/Fl | Ball stainless steel DVGW natural gas PN 16

**Druck-Temperatur-Diagramm** pressure-temperature-diagram




**Konstruktionsmerkmale Kugelhahn**
- Baulänge nach DIN EN 558-R14
- Ausblassichere Schaltwelle
- Wartungsfrei
- Gekammerte Dichtung
- Montageflansch nach DIN ISO 5211
- Silikonfrei
- Fire Safe Design
- Voller Durchgang
- Zweiteiliges Gehäuse verschraubt
- Schwimmende Kugel

**Standardtemperaturbereich**
- 20°C bis + 60°C (abhängig vom Betriebsdruck)
Siehe Druck-Temperaturdiagramm

**Zulassungstext**
DVGW Gas Zulassung PN16 nach DIN EN 13774, HTB geprüft nach DIN EN 1775:2007 MOP16 C16 DN25 bis DN100, HTB geprüft nach DIN EN 1775:2007 MOP16 C5 DN125 bis DN150, DVGW Zulassung GAR EU 2016 426 DIN EN13774 und ZP4110 für Wasserstoffanwendungen, Einstufung nach PED Kategorie 2 PED 2014-68-EU, TA-Luft Zulassung nach DIN EN ISO 15848, LABS konform nach VDMA 24364

**Verwendung**
Acetylen, Argon, Gase nach G260, Tyfocor, Wasserstoff

**Design features ball valve**
- Valve length acc. to DIN EN 558-R14
- Blow out proved stem design
- Maintenance-free
- 3 side guided ball seals
- Mounting pad acc. to DIN ISO 5211
- Free of silicon
- Fire Safe Design
- Full port
- Two-piece body screwed design
- Floating ball

**Standard temperature range**
- 20°C to + 60°C (depending on working pressure)
Take a look at the pressure-temperature-diagram

**Approval text**
DVGW gas approval PN16 acc. to DIN EN 13774, HTB certified acc. to DIN EN 1775:2007 MOP16 C16 DN25 to DN100, HTB certified acc to DIN EN 1775:2007 MOP16 C5 DN125 to DN150, DVGW approval GAR EU 2016 426 DIN EN13774 and ZP4110 for hydrogen applications, Classification acc.to PED category 2 PED 2014-68-EU, TA-Air approval acc. to DIN EN ISO 15848, LABS conformity acc. to VDMA 24364

**Suitable for**
Acetylen, Argon, Gases acc. to G260, Tyfocor, Hydrogen



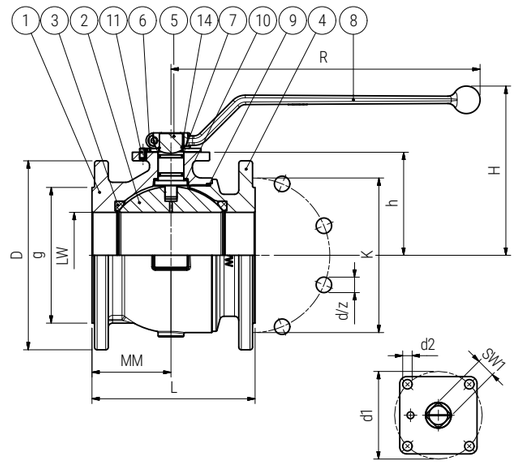


**BESTELLBEISPIEL: Flanschkugelhahn mit Edelstahlkugel HTB geprüft DIN EN 1775 DN65 = KSN75B-DN65 Artikel-Nr. 00V41145**
**ORDERING EXAMPLE: Flange ball valve with stainless steel ball HTB certified DIN EN 1775 DN65 = KSN75B-DN65 item number 00V41145**

**Datentabelle** data table

| DN (mm) | LW (mm) | PN (bar) | L (mm) | MM (mm) | R (mm) | H (mm) | h (mm) | D (mm) | K (mm) | g (mm) | z | d (mm) | SW1 (mm) | M | d1 (mm) | d2 (mm) | Gewicht Weight (kg) | Artikel-Nr. Item number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 25 | 16 | 125 | 62,5 | 165 | 111,5 | 60 | 115 | 85 | 68 | 4 | 14 | 11 | F05 | 50 | 6,6 | 3,220 | 00V41025 |
| 32 | 32 | 16 | 130 | 65 | 165 | 122,5 | 71 | 140 | 100 | 78 | 4 | 18 | 11 | F05 | 50 | 6,6 | 4,500 | 00V41055 |
| 40 | 40 | 16 | 140 | 70 | 185 | 134 | 77 | 150 | 110 | 88 | 4 | 18 | 14 | F05 | 50 | 6,6 | 5,700 | 00V41085 |
| 50 | 50 | 16 | 150 | 75 | 185 | 142 | 85 | 165 | 125 | 102 | 4 | 18 | 14 | F05 | 50 | 6,6 | 7,550 | 00V41115 |
| 65 | 65 | 16 | 170 | 85 | 230 | 154,5 | 95 | 185 | 145 | 122 | 4 | 18 | 17 | F07 | 70 | 9 | 12,100 | 00V41145 |
| 80 | 80 | 16 | 180 | 90,5 | 360 | 180,5 | 103,5 | 200 | 160 | 136 | 8 | 18 | 22 | F07 | 70 | 9 | 15,500 | 00V41175 |
| 100 | 100 | 16 | 190 | 92 | 360 | 197 | 120 | 220 | 180 | 158 | 8 | 18 | 22 | F10 | 102 | 11 | 22,600 | 00V41205 |
| 125 | 125 | 16 | 200 | 98 | 360 | 216 | 139 | 250 | 210 | 188 | 8 | 18 | 22 | F10 | 102 | 11 | 30,400 | 00V41225 |
| 150 | 142 | 16 | 210 | 100 | 556 | 236 | 158 | 285 | 240 | 212 | 8 | 22 | 27 | F10 | 102 | 11 | 42,000 | 00V41255 |

**Maßskizze** measured sketch




**Materialtabelle** materials grid

| Nr. No. | Bezeichnung Description | Werkstoff Material | Materialbezeichnung Material description |
|---|---|---|---|
| 1 | Gehäuse<br>Body | Sphäroguss<br>Nodular cast iron | 5.3103 |
| 2 | Kugel<br>Ball | Edelstahl<br>Stainless steel | 1.4301 |
| 3 | Kugeldichtung<br>Ball seal | PTFE<br>PTFE | - |
| 4 | Flansch / Nippel<br>Flange / nipple | Sphäroguss<br>Nodular cast iron | 5.3103 |
| 5 | Schaltwelle<br>Stem | Edelstahl<br>Stainless steel | 1.4104 |
| 6 | Anschlagscheibe<br>Stop plate | Stahl verzinkt<br>Steel (zinc-plated) | - |
| 7 | Spindeldichtung<br>Spindle seal | FKM<br>FKM | - |
| 8 | Griff<br>Handle | Aluminium<br>Aluminium | - |
| 9 | Gehäusedichtung<br>Body seal | FKM<br>FKM | - |
| 10 | Anlaufring<br>Thrust washer | Polyamid<br>Polyamide | - |
| 11 | Anschlagstift<br>Stop pin | Edelstahl<br>Stainless steel | - |
| 14 | Federring<br>Clip ring | Federstahl<br>Spring steel | 1.4310 |

**Verpackungseinheiten** Packing units

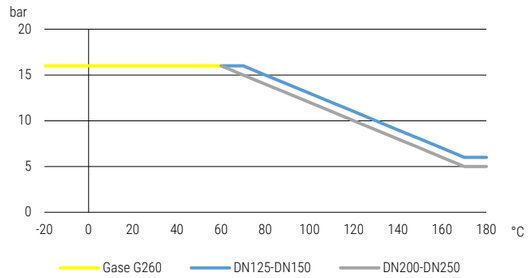
| DN (mm) | | | Losbrechmomente breakaway torque PN0 (Nm) | PN7 (Nm) | PN16 (Nm) |
|---|---|---|---|---|---|
| 25 | 1 | 1 | 8 | 8 | 8 |
| 32 | 1 | 1 | 16 | 16 | 16 |
| 40 | 1 | 1 | 18 | 18 | 18 |
| 50 | 1 | 1 | 25 | 25 | 25 |
| 65 | 1 | 1 | 50 | 50 | 50 |
| 80 | 1 | 1 | 80 | 80 | 90 |
| 100 | 1 | 1 | 90 | 90 | 100 |
| 125 | 1 | 1 | 100 | 100 | 120 |
| 150 | 1 | 1 | 160 | 170 | 200 |

KSL77B KSL77E KSL77F **KSN77B** KSN77E KSN77F

# KSN77B | Hebelgriff | Fl/Fl | Kugel Edelstahl | DVGW Gas PN16

## KSN77B | Lever handle | Fl/Fl | Ball stainless steel | DVGW natural gas PN16

**Druck-Temperatur-Diagramm** pressure-temperature-diagram




**Konstruktionsmerkmale Kugelhahn**
- Baulänge nach DIN EN 558-R27
- Ausblassichere Schaltwelle
- Wartungsfrei
- Gekammerte Dichtung
- Montageflansch nach DIN ISO 5211
- Silikonfrei
- Fire Safe Design
- Voller Durchgang, DN250 reduzierter Durchgang
- Zweiteiliges Gehäuse mit Mittelflansch
- Schwimmende Kugel

**Standardtemperaturbereich**
- 20°C bis + 60°C (abhängig vom Betriebsdruck)
Siehe Druck-Temperaturdiagramm

**Zulassungstext**
DVGW Gas Zulassung PN16 nach DIN EN 13774, DVGW Zulassung nach Gasgeräteverordnung GAR EU-2016-426, Einstufung nach PED Kategorie 3 PED 2014-68-EU, TA-Luft Zulassung nach DIN EN ISO 15848, LABS konform nach VDMA 24364

**Verwendung**
Argon, Gase nach G260, Wasserstoff

**Design features ball valve**
- Valve length acc. to DIN EN 558-R27
- Blow out proved stem design
- Maintenance-free
- 3 side guided ball seals
- Mounting pad acc. to DIN ISO 5211
- Free of silicon
- Fire Safe Design
- Full port, DN250 reduced port
- Two-piece body with middle flange
- Floating ball

**Standard temperature range**
- 20°C to + 60°C (depending on working pressure)
Take a look at the pressure-temperature-diagram

**Approval text**
DVGW gas approval PN16 acc. to DIN EN 13774, DVGW-approval acc. to gas appliance regulation GAR EU-2016-426, Classification acc. to PED category 3 PED 2014-68-EU, TA-Air approval acc. to DIN EN ISO 15848, LABS conformity acc. to VDMA 24364

**Suitable for**
Argon, Gases acc. to G260, Hydrogen



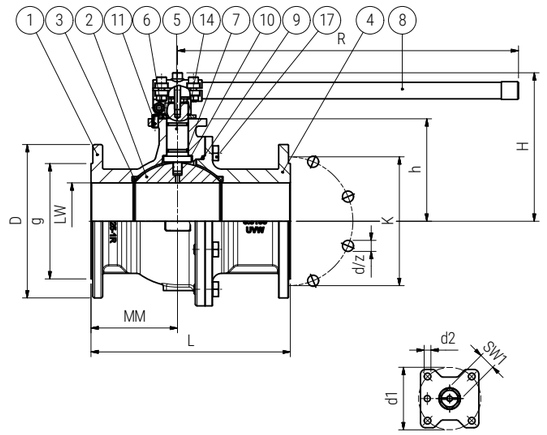


**BESTELLBEISPIEL: Flanschkugelhahn mit Edelstahlkugel DN125 = KSN77B-DN125 Artikel-Nr. 00V41285**
**ORDERING EXAMPLE: Flange ball valve with stainless steel ball DN125 = KSN77B-DN125 item number 00V41285**

**Datentabelle** data table

| DN (mm) | LW (mm) | PN (bar) | L (mm) | MM (mm) | R (mm) | H (mm) | h (mm) | D (mm) | K (mm) | g (mm) | z | d (mm) | SW1 (mm) | M | d1 (mm) | d2 (mm) | Gewicht Weight (kg) | Artikel-Nr. Item number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 125 | 125 | 16 | 325 | 141 | 556 | 242 | 167 | 250 | 210 | 188 | 8 | 18 | 27 | F10 | 102 | 11 | 42,800 | 00V41285 |
| 150 | 150 | 16 | 350 | 160 | 556 | 265 | 190 | 285 | 240 | 212 | 8 | 22 | 27 | F10 | 102 | 11 | 65,700 | 00V41305 |
| 200 | 200 | 16 | 400 | 200 | 706 | 313 | 238 | 340 | 295 | 268 | 12 | 22 | 27 | F12 / F14 | 125 / 140 | 13 / 17 | 119,400 | 00V41345 |
| 250 | 200 | 16 | 450 | 225,5 | 706 | 298 | 219 | 405 | 355 | 320 | 12 | 26 | 27 | F14 | 140 | M16 | 158,000 | 00V41365 |

**Maßskizze** measured sketch




**Materialtabelle** materials grid

| Nr. No. | Bezeichnung Description | Werkstoff Material | Materialbezeichnung Material description |
|---|---|---|---|
| 1 | Gehäuse Body | Sphäroguss Nodular cast iron | 5.3105 |
| 2 | Kugel Ball | Edelstahl Stainless steel | 1.4301 |
| 3 | Kugeldichtung Ball seal | PTFE PTFE | - |
| 4 | Flansch / Nippel Flange / nipple | Sphäroguss Nodular cast iron | 5.3105 |
| 5 | Schaltwelle Stem | Edelstahl Stainless steel | 1.4104 |
| 6 | Anschlagscheibe Stop plate | Stahl verzinkt Steel (zinc-plated) | - |
| 7 | Spindeldichtung Spindle seal | FKM FKM | - |
| 8 | Griff Handle | Edelstahl Stainless steel | 1.4301 |
| 9 | Gehäusedichtung Body seal | FKM FKM | - |
| 10 | Anlaufring Thrust washer | Polyamid Polyamide | - |
| 11 | Anschlagstift Stop pin | Stahl verzinkt Steel (zinc-plated) | - |
| 14 | Federring Clip ring | Federstahl Spring steel | - |
| 17 | Sechskantschraube Bolt | Stahl verzinkt Steel (zinc-plated) | 8.8 |

**Verpackungseinheiten** Packing units

**Losbrechmomente** breakaway torque

| DN (mm) | | | PN0 (Nm) | PN7 (Nm) | PN16 (Nm) |
|---|---|---|---|---|---|
| 125 | 1 | 1 | 120 | 130 | 150 |
| 150 | 1 | 1 | 170 | 200 | 220 |
| 200 | 1 | 1 | 400 | 420 | 450 |
| 250 | 1 | 1 | 400 | 420 | 450 |