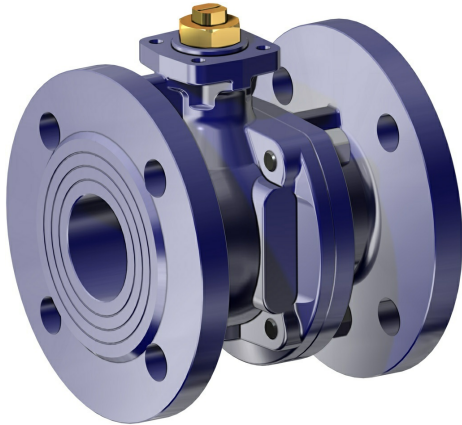


Item 216 iron ball valve



Macro Ball valves

Category Other cast iron ball valves

2-way full-bore flanged cast iron ball valve

features

GENERAL FEATURES:

- Flanges: EN 1092/2 PN16
- Gauge as per EN558/1 (ISO 5752).
- Working temperature: from -10°C to +70°C
- Working pressure: 16 Bar max (10 Bar for end of line application) SEE DIAGRAM
- Fluid range: gas, liquid gases and gaseous fuels as per UNI-CIG 7129 and DIN-DVGW G 260/l table for gas.

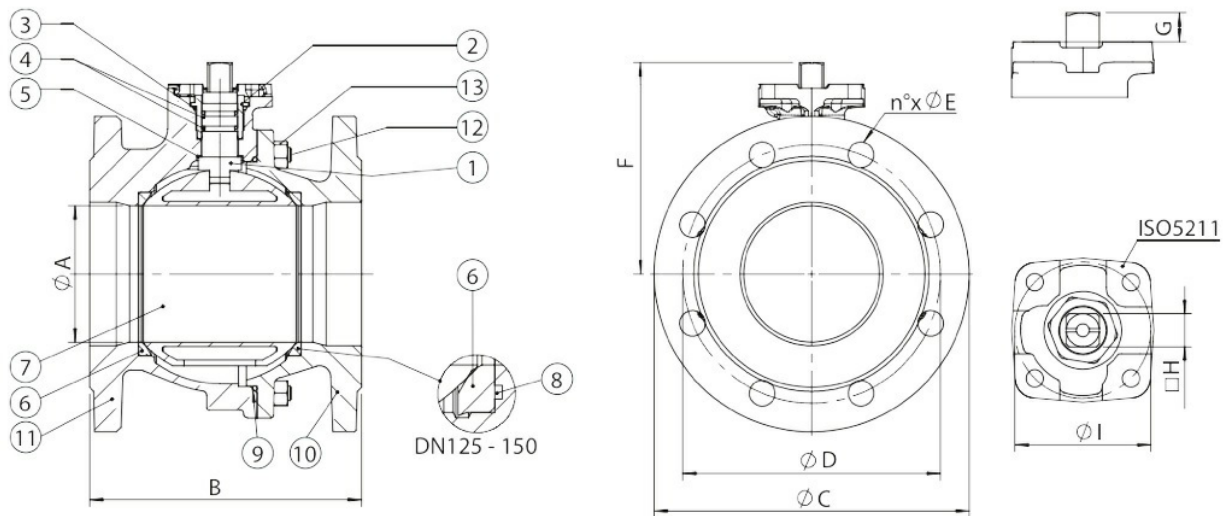
ON REQUEST:

- PN 6 - PN 10:
- For other applications, please contact our sales department.

CERTIFICATIONS:

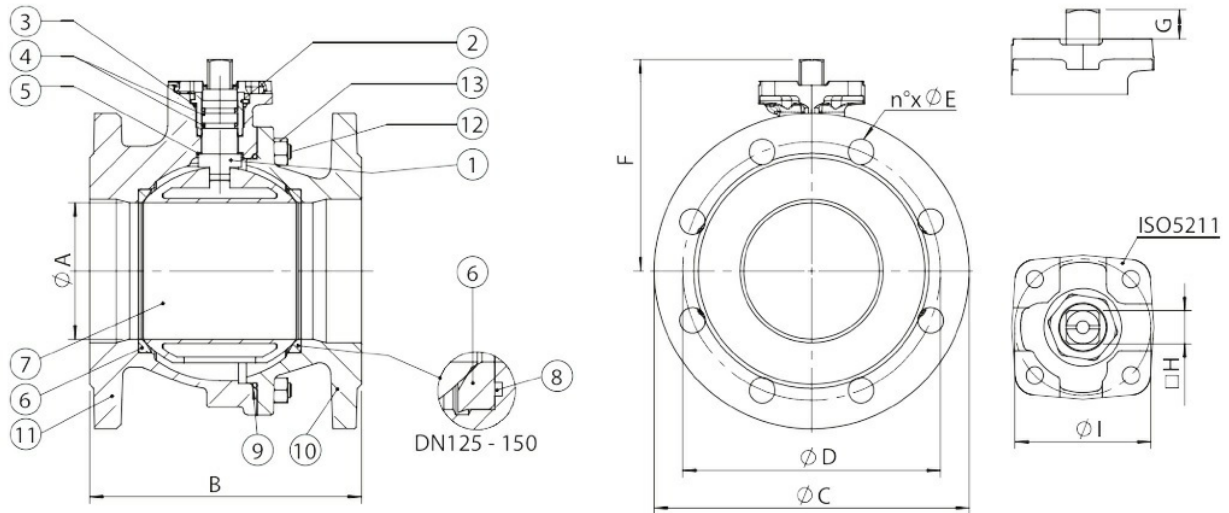
- DIN-DVGW approval for combustible gas tab. G260

dimensions



| DIMENSIONS | | | | | | | | | | |
|------------|--------|----------|-----|----------|----------|----------|-------|------|----|----------|
| SIZE | | ϕA | B | ϕC | ϕD | ϕE | F | G | H | ϕI |
| DN [mm] | [inch] | | | | | | | | | |
| DN 50 | 2" | 50 | 150 | 165 | 125 | 4x18 | 100,5 | 13,5 | 14 | 50 |
| DN 65 | 2" 12 | 63 | 170 | 185 | 145 | 4x18 | 108,5 | 13,5 | 14 | 50 |
| DN 80 | 3" | 76 | 180 | 200 | 160 | 8x18 | 133 | 15 | 17 | 70 |
| DN 100 | 4" | 95 | 190 | 220 | 180 | 8x18 | 147,5 | 15 | 17 | 70 |
| DN 125 | 5" | 120 | 200 | 250 | 210 | 8x18 | 186 | 21 | 22 | 102 |
| DN 150 | 6" | 145 | 210 | 285 | 240 | 8x22 | 203,5 | 21 | 22 | 102 |

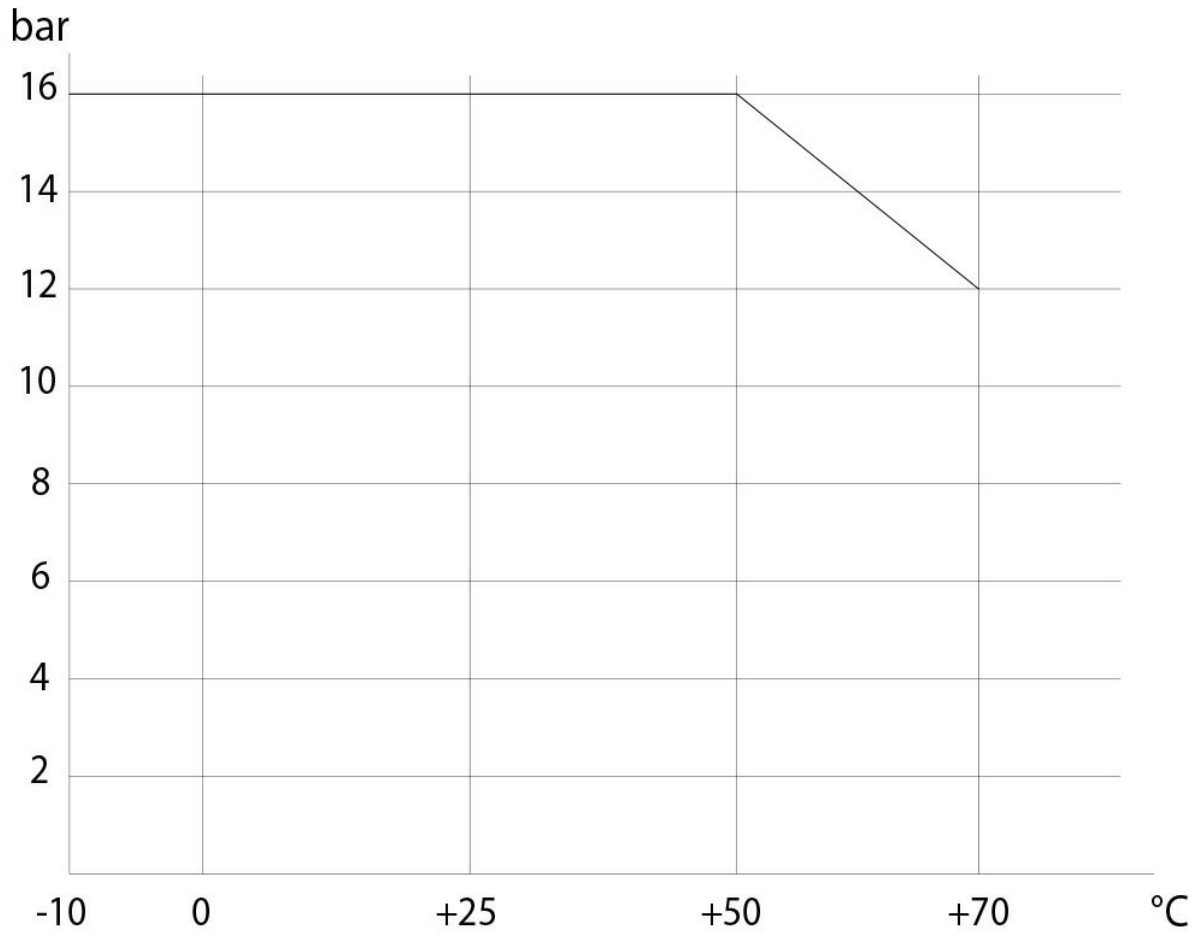
materials



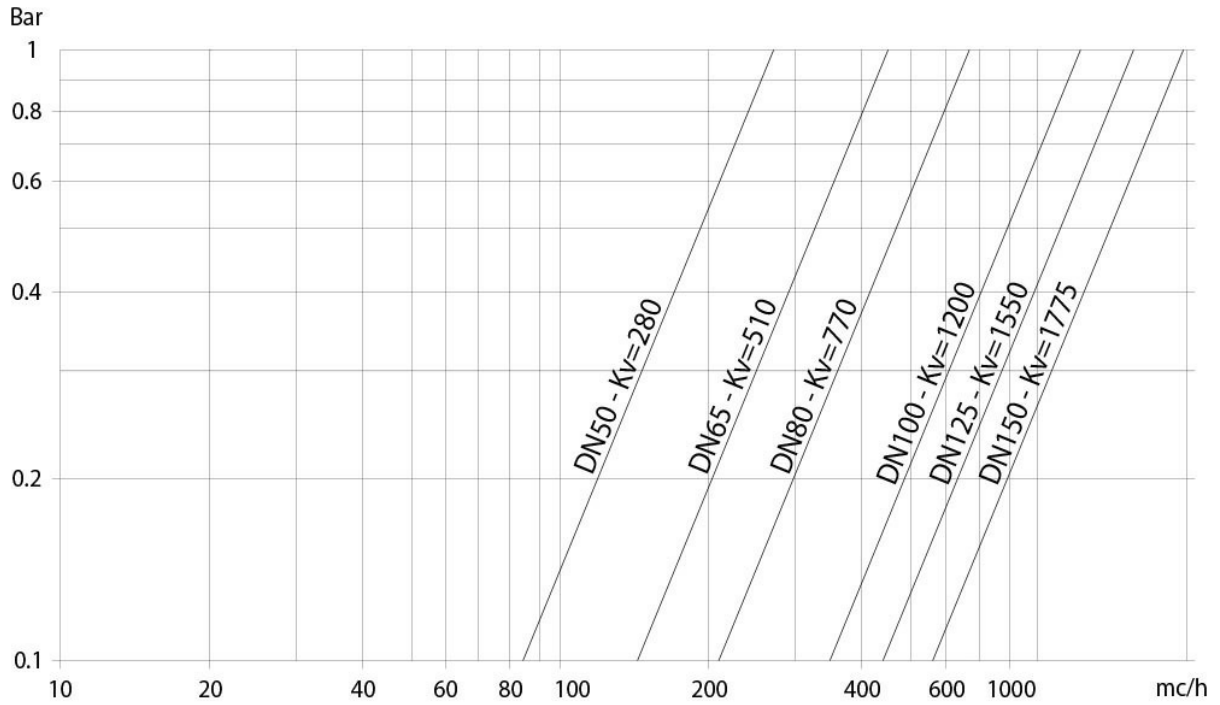
| MATERIALS | | | |
|-----------|--------------|-------------------------|---------------|
| 1 | Shaft | Brass chrome plated | CuZn40Pb2 |
| 2 | Ring nut | Brass chrome plated | CuZn40Pb2 |
| 3 | Top O-ring | NBR | |
| 4 | Shaft O-ring | NBR | |
| 5 | Sliding ring | P.T.F.E. | |
| 6 | Seals | P.T.F.E. | |
| 7 | Ball | Brass | CuZn40Pb2 |
| 8 | O-ring | NBR | |
| 9 | Body o-ring | NBR | |
| 10 | Flange | Ductile iron | EN GJS 400-15 |
| 11 | Body | Ductile iron | EN GJS 400-15 |
| 12 | Tie-rod | Carbon steel galvanized | |
| 13 | Lock nut | Carbon steel galvanized | |

diagrams and breakaway torque

Pressure/temperature diagram



Flow/pressure loss diagram and Kv nominal coefficient



Kv is the coefficient, expressed in m³/h (with water at 15°C) causing a pressure loss of 1 bar.

| BREAKAWAY TORQUES Nm | | | | | | |
|----------------------|-------------|-----------------|-------------|--------------|--------------|--------------|
| SIZE | DN 50 2" | DN 65 2 1/2" | DN 80 3" | DN 100 4" | DN 125 5" | DN 150 6" |
| PN 16 bar | 38 | 68 | 112 | 171 | 298 | 445 |

Torque can vary depending on temperature and type of fluid; a safety factor of 1.4 must be applied. Torque can drop on high frequency of operations. The actuator/valve sizing, indicated on the following pages, are based for valves to be used with liquids or gaseous fluids, clean, and for medium temperatures. For further information, or different uses please contact our sales department.