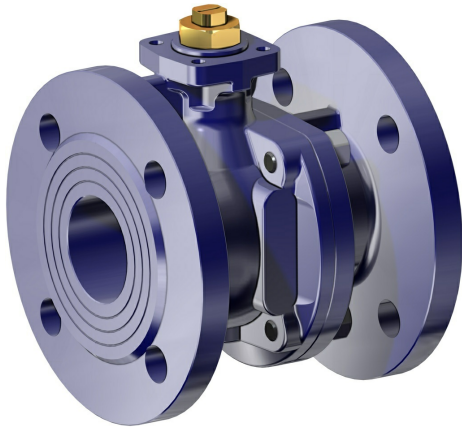


**Warning:** count(): Parameter must be an array or an object that implements Countable in /var/www/vhost/www.omal.it/htdocs/classes/Prodotto.php on line 390

**Warning:** count(): Parameter must be an array or an object that implements Countable in /var/www/vhost/www.omal.it/htdocs/classes/Prodotto.php on line 405

## 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:

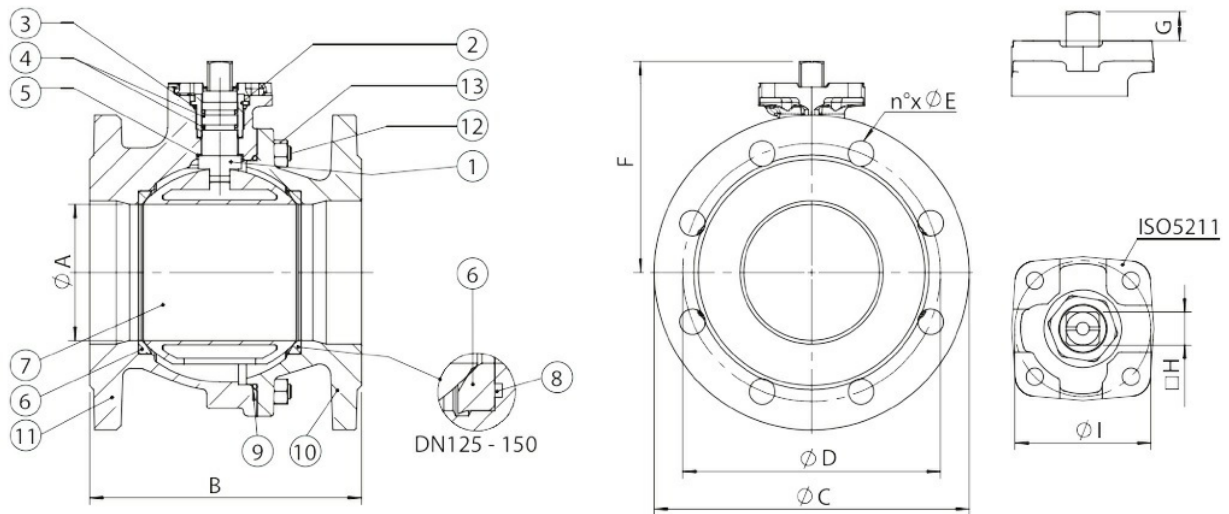
- Flanges: EN 1092/2 PN16
- Gauge as per EN558/1 (ISO 5752).
- Working temperature: from -10°C to +70°C
- Working pressure: 16 Bar max (10 Bar for end of line application) SEE DIAGRAM
- Fluid range: gas, liquid gases and gaseous fuels as per UNI-CIG 7129 and DIN-DVGW G 260/I table for gas.

#### ON REQUEST:

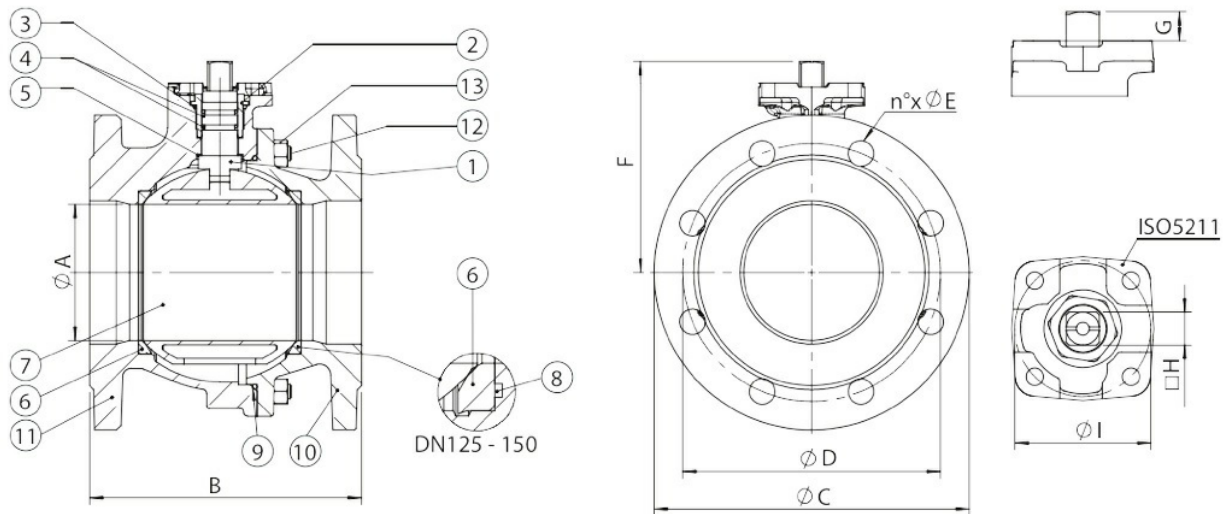
- PN 6 - PN 10:
- For other applications, please contact our sales department.

#### CERTIFICATIONS:

- DIN-DVGW approval for combustible gas tab. G260

**dimensions**


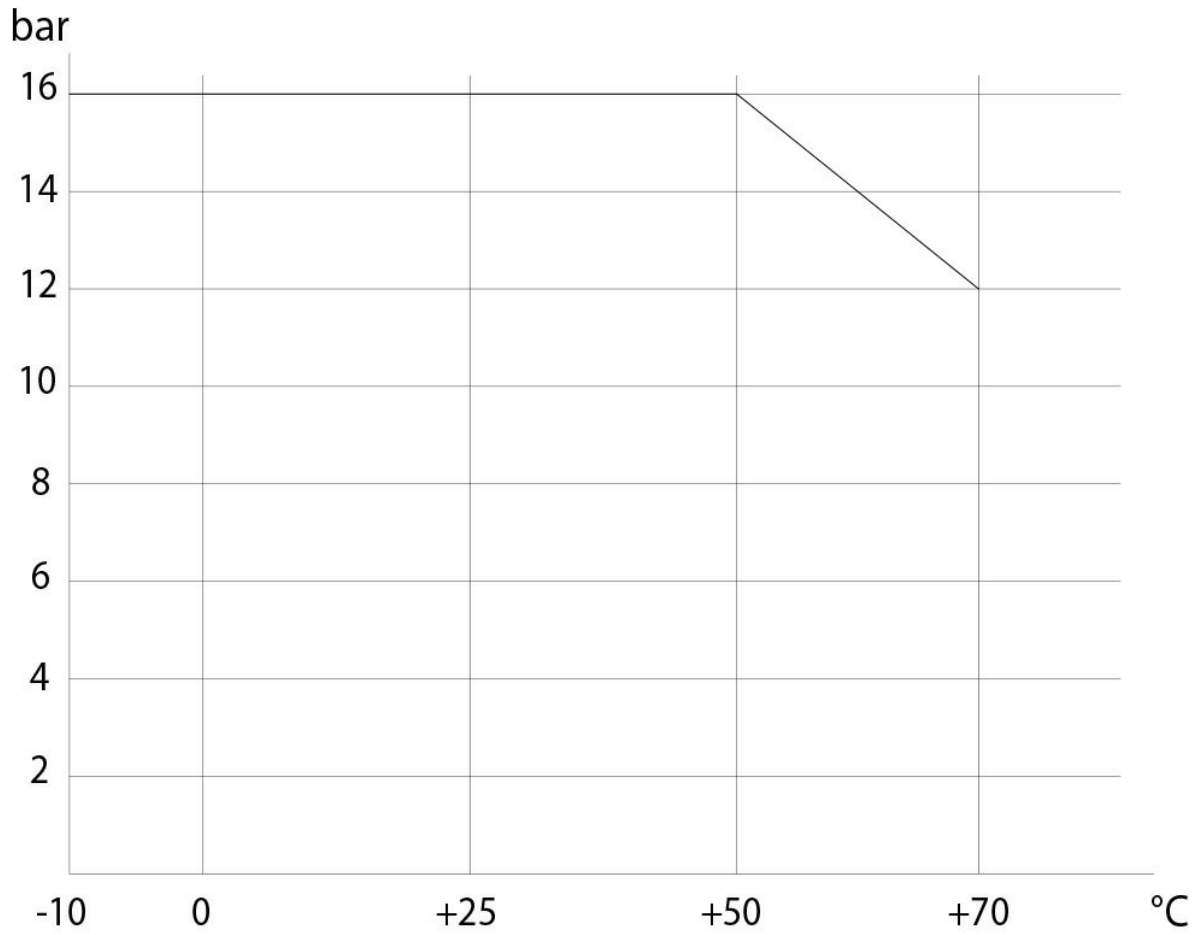
SIZE		DIMENSIONS								
DN [mm]	[inch]	$\phi A$	B	$\phi C$	$\phi D$	$\phi E$	F	G	$\square H$	$\phi I$
DN 50	2"	50	150	165	125	4x18	100,5	13,5	14	50
DN 65	2" 1/2"	63	170	185	145	4x18	108,5	13,5	14	50
DN 80	3"	76	180	200	160	8x18	133	15	17	70
DN 100	4"	95	190	220	180	8x18	147,5	15	17	70
DN 125	5"	120	200	250	210	8x18	186	21	22	102
DN 150	6"	145	210	285	240	8x22	203,5	21	22	102

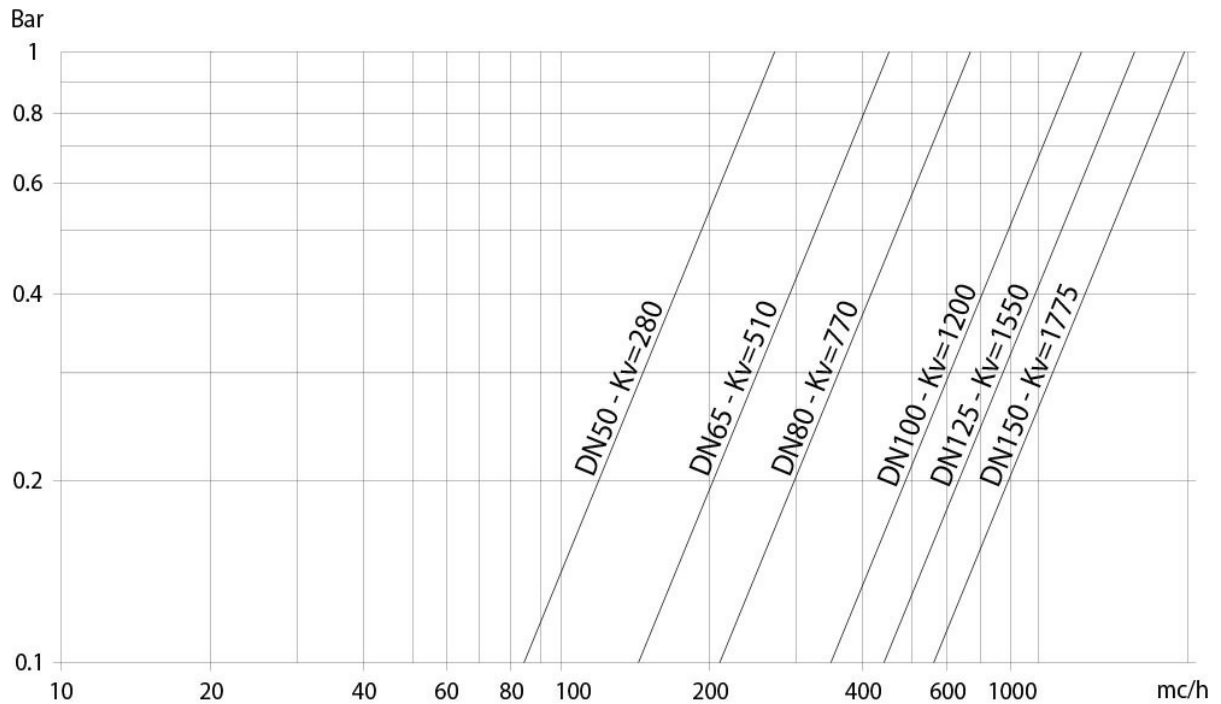
**materials**


<b>MATERIALS</b>			
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 m<sup>3</sup>/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.