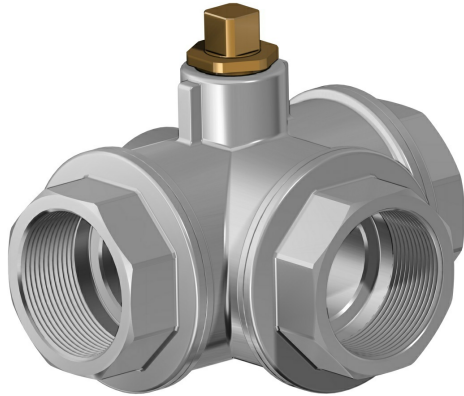


Item 160-161 brass ball valve



Macro Ball valves

Category Other brass ball valves

3 way 4 seals brass ball valve - threaded-ends "T" or "L" port
ITEM 160

Valve "T" port

ITEM 161

Valve "L" port

features

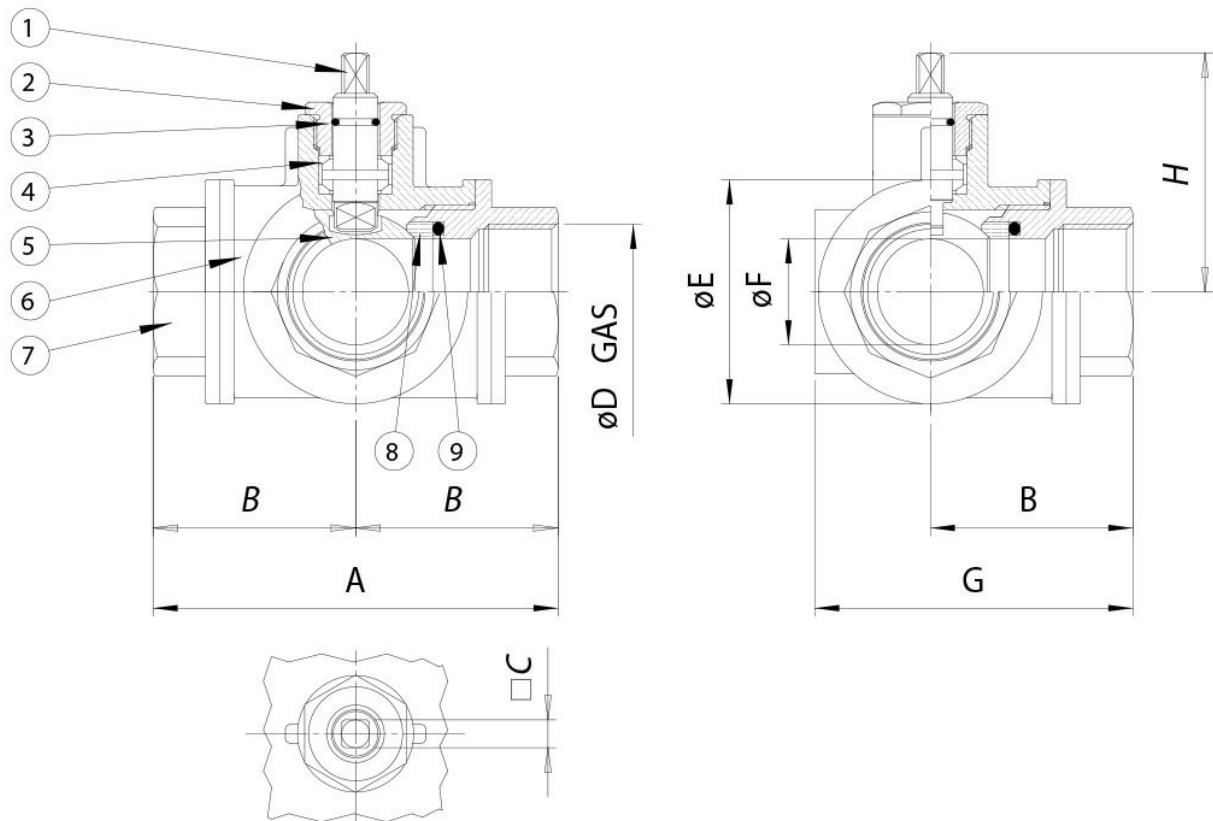
GENERAL FEATURES:

- Valve with 4 ball seats. Inlet from any of the 3 ends, see plane
- Working temperature: from -15°C to +120°C
- Working pressure: see table.
- Fluid range: water, air, gas, vacuum, petroleum and petrochemical products. Not suitable for aggressive media.
- Threaded ends as per ISO 7/1 specifications.

ON REQUEST:

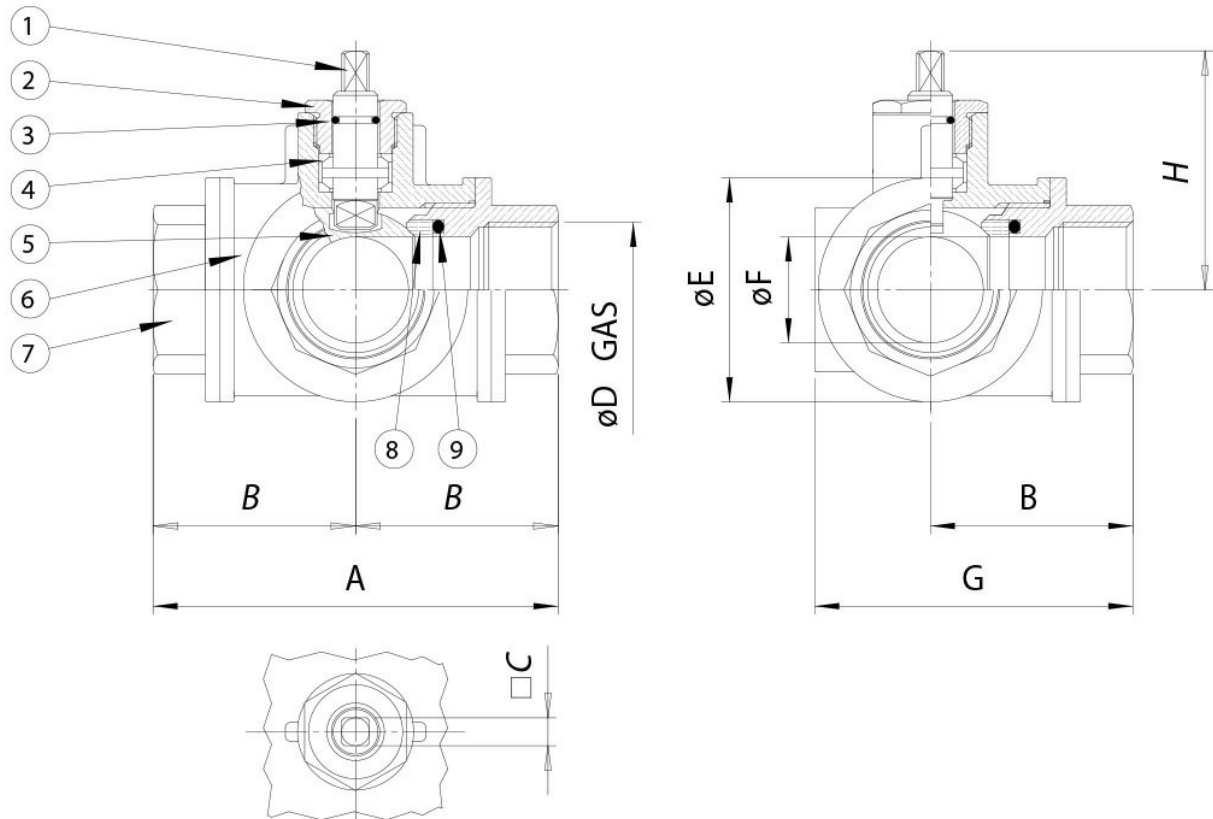
- For other applications, please contact our sales department.

dimensions



SIZE		DIMENSIONS							
DN [mm]	[inch]	A	B	□C	∅D	∅E	∅F	G	H
DN 15	1/2"	80	40	7	1/2"	38	13	61	43,2
DN 20	3/4"	96	48	10	3/4"	48	18	74	52,9
DN 25	1"	113	56,5	10	1"	58	23	88	57,3
DN 32	1" 1/4	130	65	14	1" 1/4	67	29	99	74,5
DN 40	1" 1/2	147	73,5	14	1" 1/2	78	35	114	79
DN 50	2"	169	84,5	17	2"	95	44	132	94,2

materials

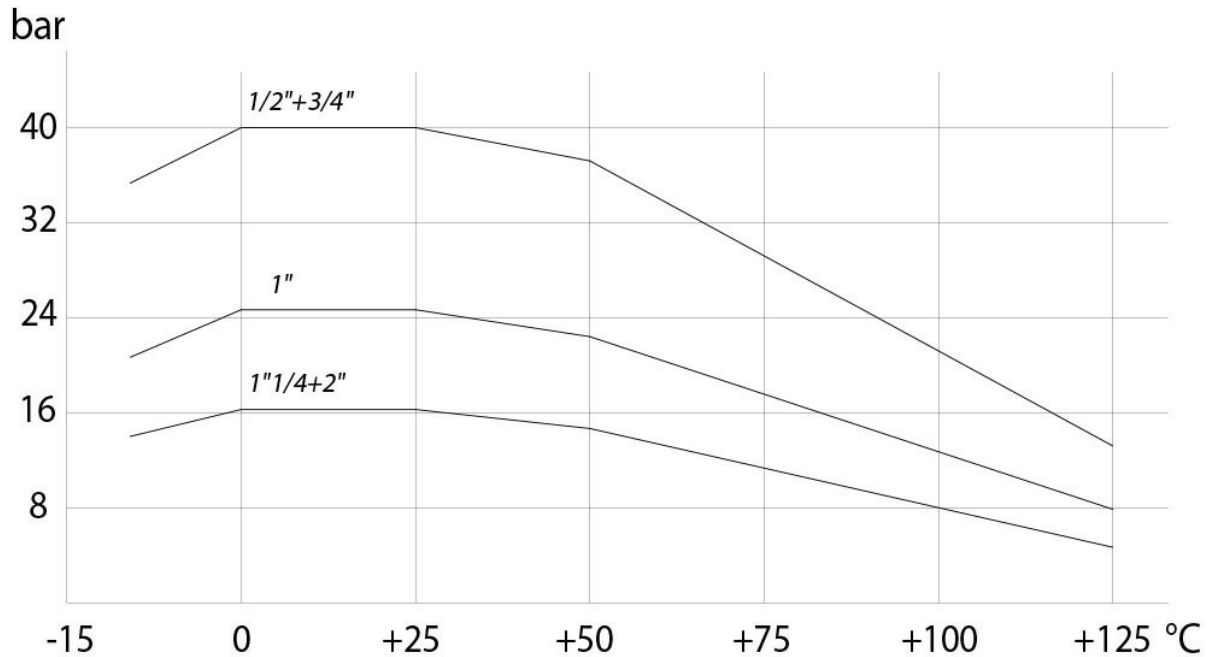


MATERIALS			
1	Shaft*	Brass	EN 12164 CW614N
2	Gland nut*	Brass	EN 12164 CW614N
3	O-ring	FKM	
4	Seals	P.T.F.E.	
5	Ball	Brass chromium plated	EN 12164 CW614N
6	Body*	Brass	EN 12165 CW617N
7	Threaded end*	Brass	EN 12165 CW617N
8	Seals	P.T.F.E.	
9	O-ring	FKM	

* Surface treatment: bright nickel plating

diagrams and breakaway torque

Pressure/temperature diagram



BREAKAWAY TORQUES Nm						
SIZE	DN 15 1/2"	DN 20 3/4"	DN 25 1"	DN 32 1\"1/4"	DN 40 1\"1/2"	DN 50 2"
PN 16 bar				31	43	74
PN 25 bar			20			
PN 40 bar	8	14				

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.

specifications

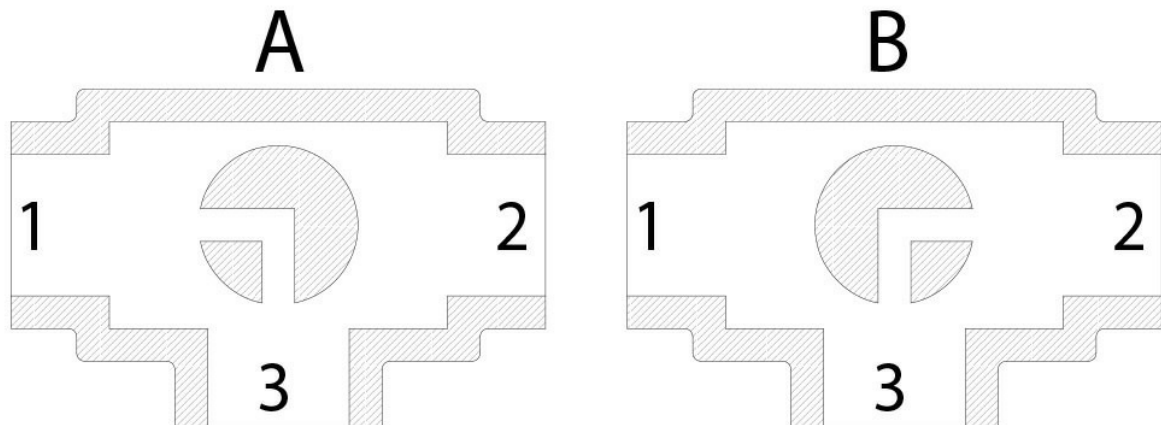
Plan for "L" port

N.B.:

"A" must be the rest position of the ball with **SR FAIL CLOSE** actuator.

"B" must be the rest position of the ball with **SR FAIL OPEN** actuator.

View from above



Plan for "T" port

With actuator 2 positions with 90° rotation are possible only: the configuration of the ball must always be communicated at our sales department.

N.B.:

Choose the rest position of the ball with **SR FAIL CLOSE** actuator; whenever supplied with air, actuator turns in an anticlockwise direction.

Choose the rest position of the ball with **SR FAIL OPEN** actuator; whenever supplied with air, actuator turns in a clockwise direction.

View from above

