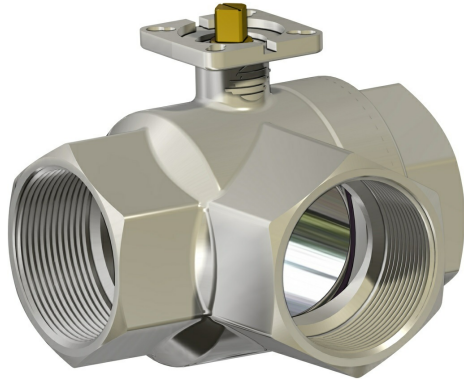


Item 153 brass ball valve



Macro Ball valves

Category Other brass ball valves

3-way full-bore threaded-ends brass ball valve, "L" port

features

GENERAL FEATURES:

- The valve is suitable for medium pressures with non aggressive fluids. The valve can be used as diverter only the in let can be from central way only, see plane.
- Working temperature: from -20°C to + 120°C
- Working pressure: 16 bar max, see diagram
- Fluid range: air, water, oil, gas, petroliferous and petrochemical products.
- Threaded ends as per ISO 7/1 specifications.
- ISO 5211 flange connection.

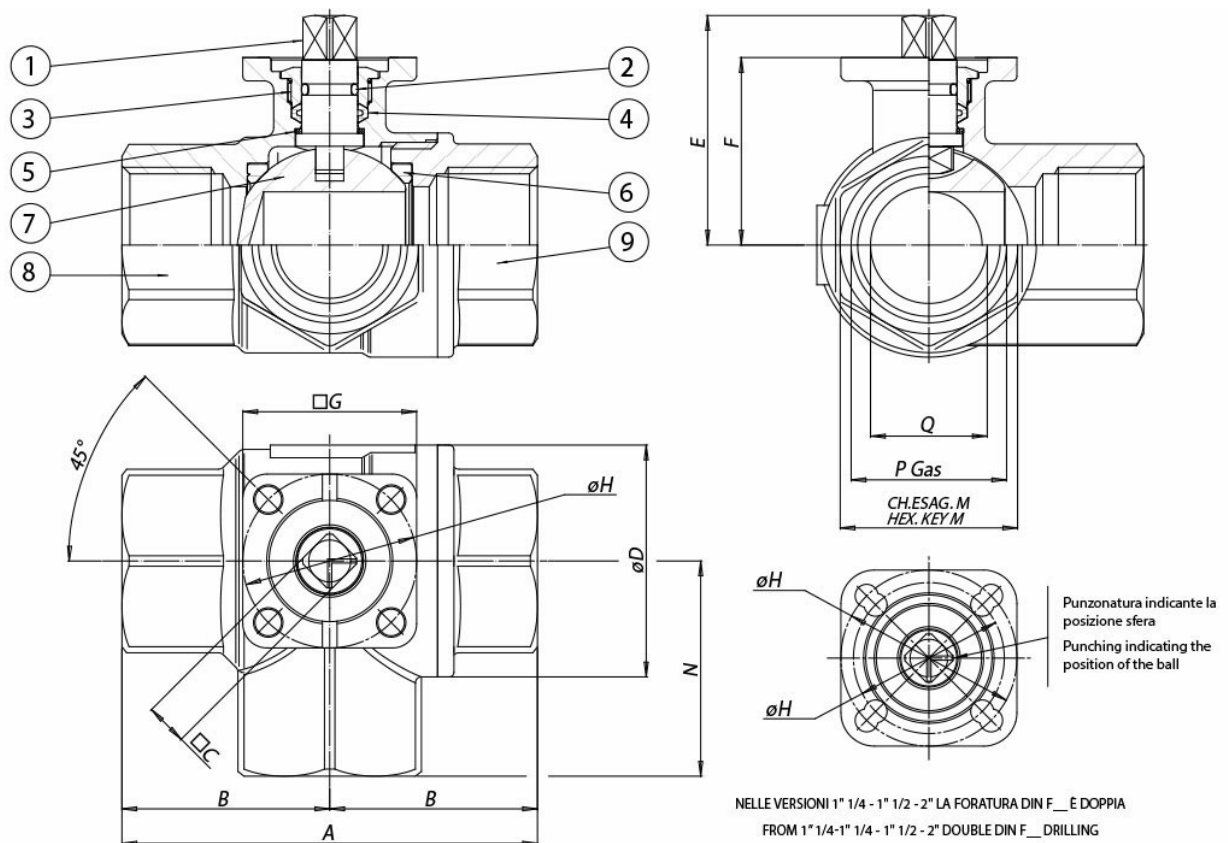
ON REQUEST:

- For other applications, please contact our sales department.

CERTIFICATIONS:

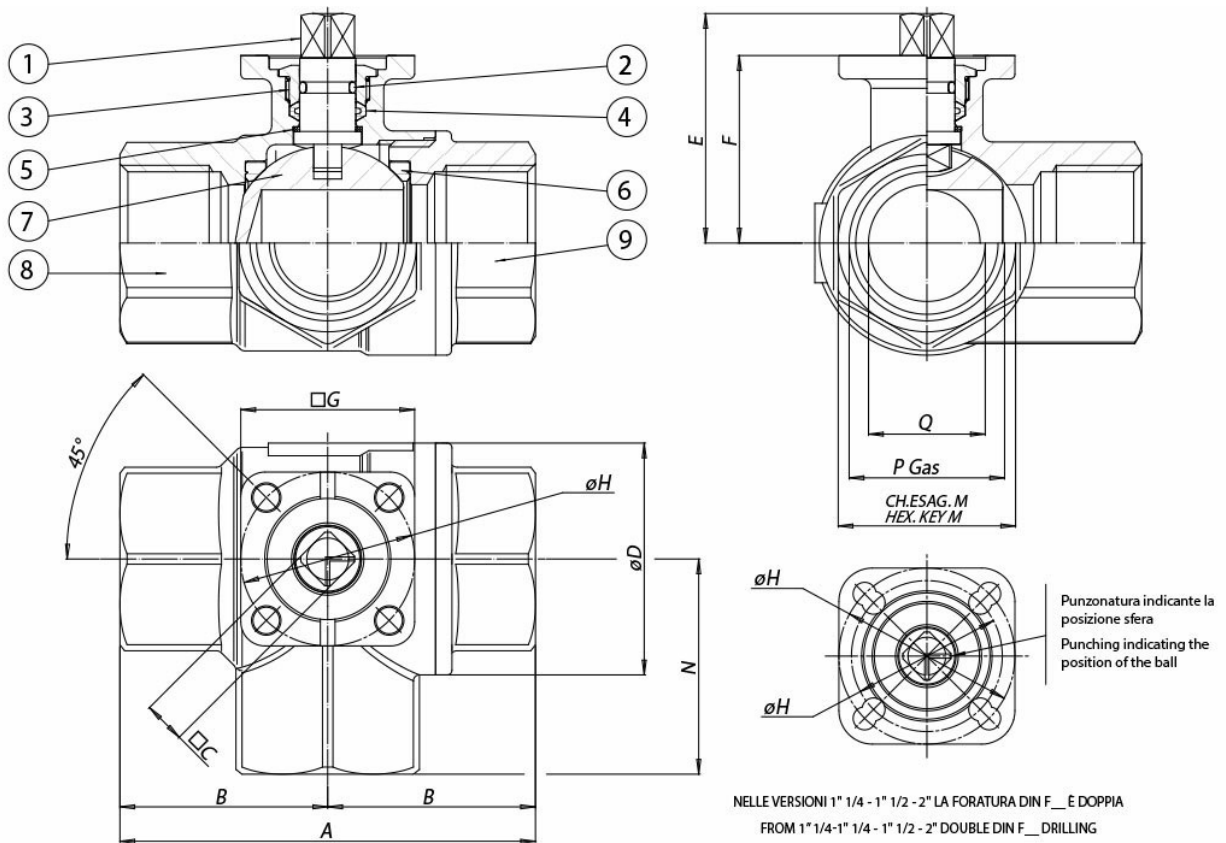
- According to 2014/68/EU "PED"
- ATEX version in conformity with directive 2014/34/EU on request

dimensions



SIZE		DIMENSIONS												
DN [mm]	[inch]	A	B	□C	∅D	E	F	□G	∅H	∅L	ch.M	N	P	Q
DN 10	3/8"	69	34,5	9	31,8	38,4	30,5	36	36	5,5	25	33	3/8"	10
DN 15	1/2"	69	34,5	9	31,8	38,4	30,5	36	36	5,5	25	33	1/2"	15
DN 20	3/4"	77	38,5	11	40	47,1	36,3	36	36	5,5	31	38	3/4"	20
DN 25	1"	89	44,5	11	48	50,9	40,2	36	36	5,5	38	46	1"	25
DN 32	1" 1/4	103	51,5	11	60	62,5	51,5	42	36/42	5,5	47	54	1" 1/4	32
DN 40	1" 1/2	114	57	11	70,6	69	58	42	36/42	5,5	54	61	1" 1/2	40
DN 50	2"	134	67	11	86,5	76,3	65,3	46	42/50	5,5/6,5	66	73	2"	50

materials

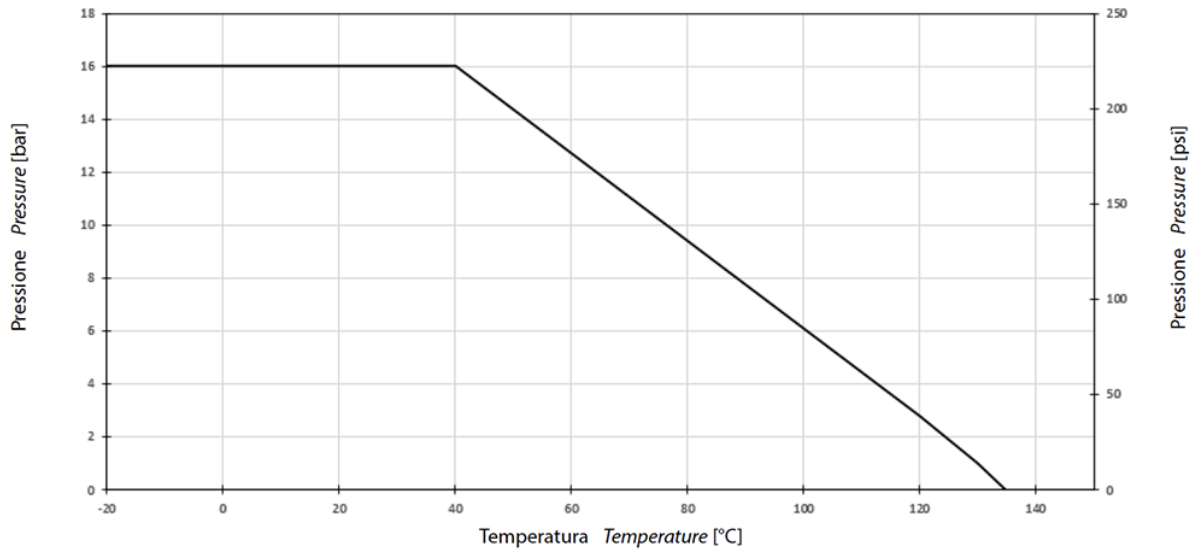


MATERIALS			
1	Shaft	Brass	EN 12164 CW614N
2	O-ring	FKM	
3	Gland nut*	Brass	EN 12164 CW614N
4	Shaft seal	P.T.F.E.	
5	Antifriction rings	P.T.F.E.	
6	Seals	P.T.F.E.	
7	Ball	Brass chromium plated	EN 12164 CW614N
8	Body*	Brass	EN 12165 CW617N
9	Threaded ends*	Brass	EN 12165 CW617N

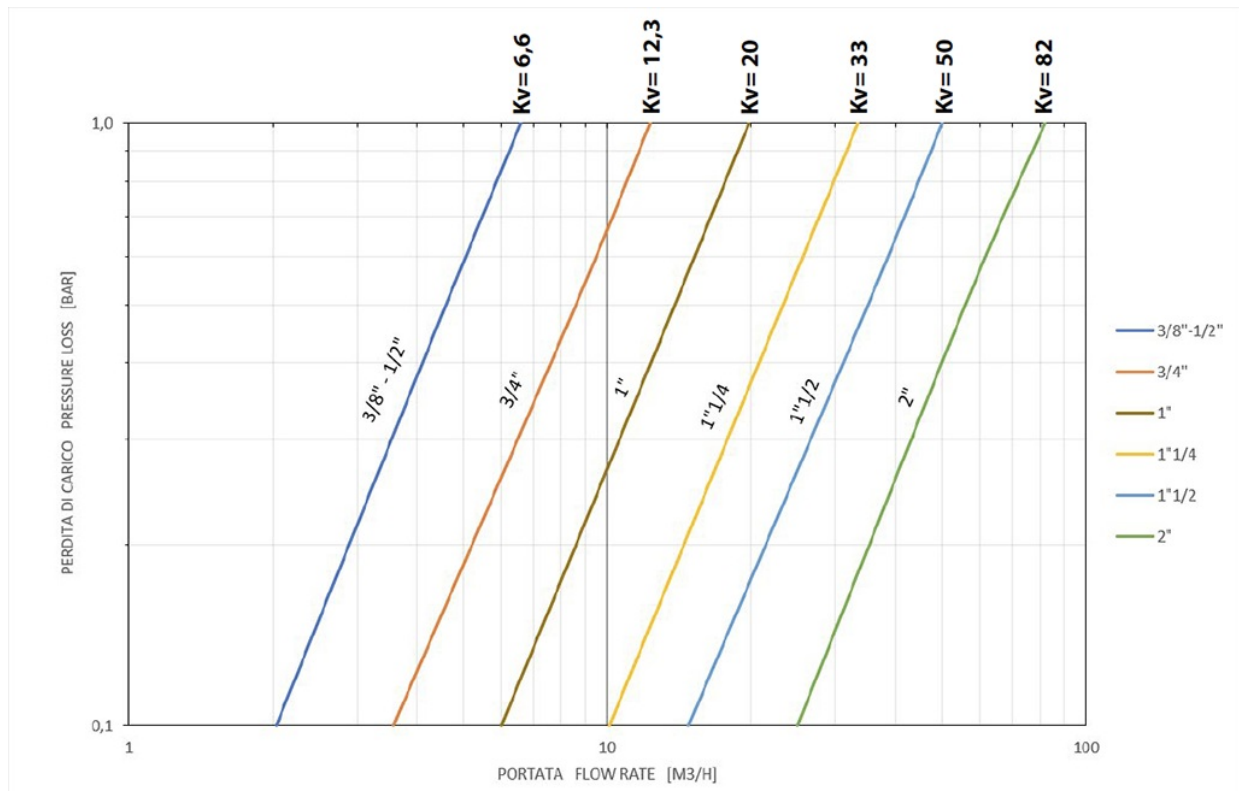
*Surface treatment: bright nickel plating

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 10 3/8"	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	4	5	7	10	14	19	27

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

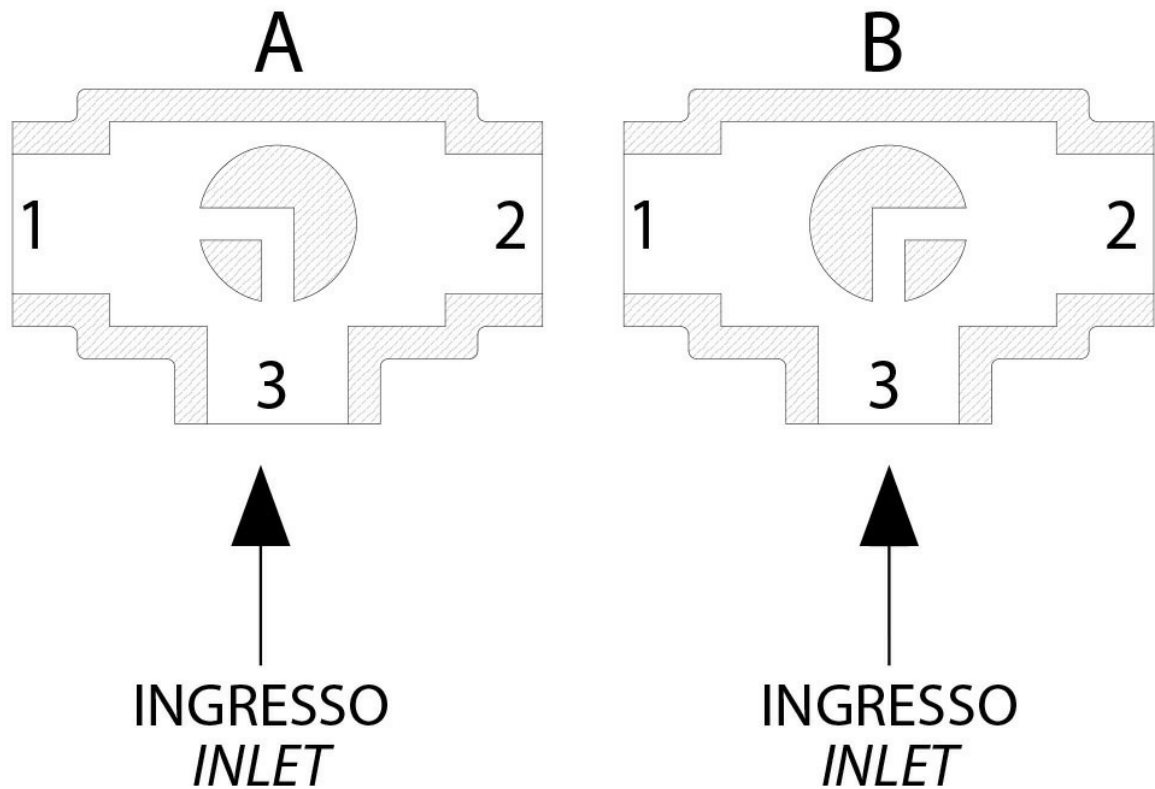
Plan for "L"

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



documents

Certificates

[EAC TR CU 010/2011 - Ball Valves](#)

[PED](#)

[ATEX - Ball Valves](#)

[EAC TR CU 012/2011 - EX](#)

[EAC TR CU 032/2013 - Ball Valves / Pneumatic Valves](#)

Instructions

[ISTRUZIONI ATEX 8_0486](#)

[ISTRUZIONI USO 8_0844-03](#)