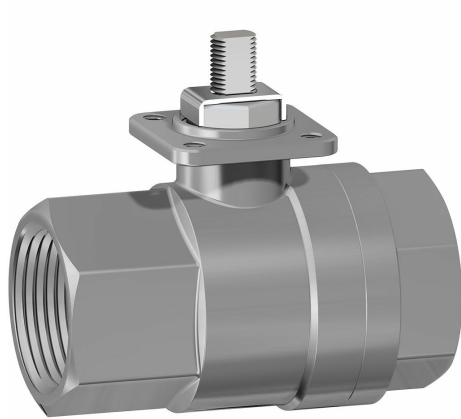


Warning: count(): Parameter must be an array or an object that implements Countable in /var/www/vhost/www.omal.it/htdocs/classes/Prodotto.php on line 390

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 400-401 stainless steel ball valves



Macro [Ball valves](#)

Category [Other stainless steel ball valves](#)

2-way full-bore threaded-ends stainless steel ball valve

ITEM 400

Surface treatment: sandblasted

ITEM 401

Surface treatment: polished

features

GENERAL FEATURES:

- Suitable for middle pressure applications.
- Working temperature: from -20°C to +150°C
- Working pressure: see diagram.
- Fluid range: air, water, gas, petroleum and petrochemical products, aggressive media.
- Surface treatment: article 400 sandblasted; article 401 polished.
- Threaded ends as per ISO 7/1 specifications.
- ISO 5211 flange connection.

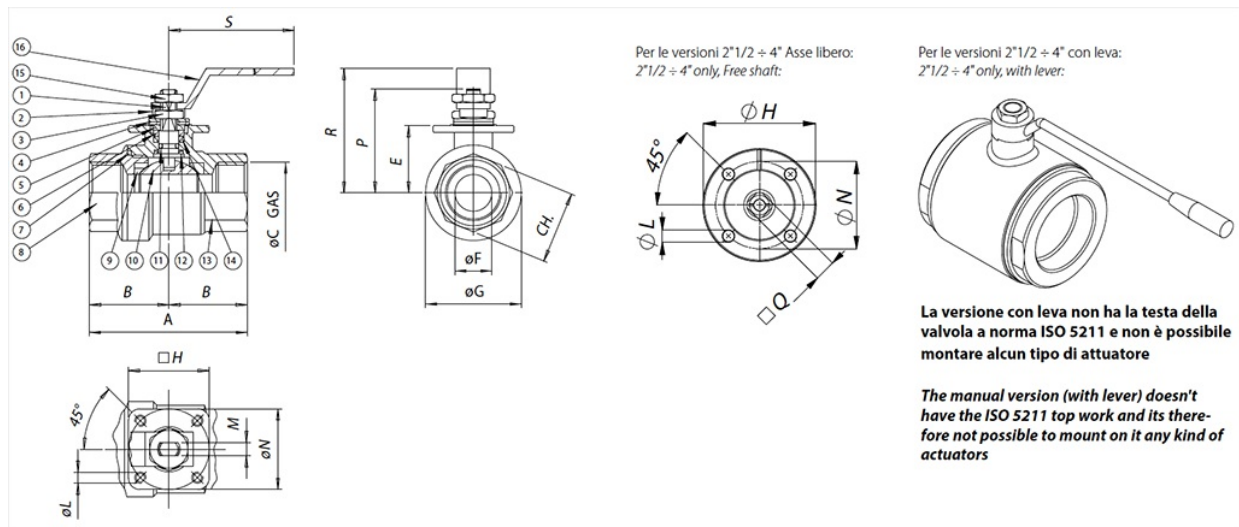
ON REQUEST:

- Female threaded ends as per NPT B1.20.1 specifications
- Seals made of: PTFE glass filled; PTFE with carbon graphite.
- For other applications, please contact our sales department.

CERTIFICATIONS:

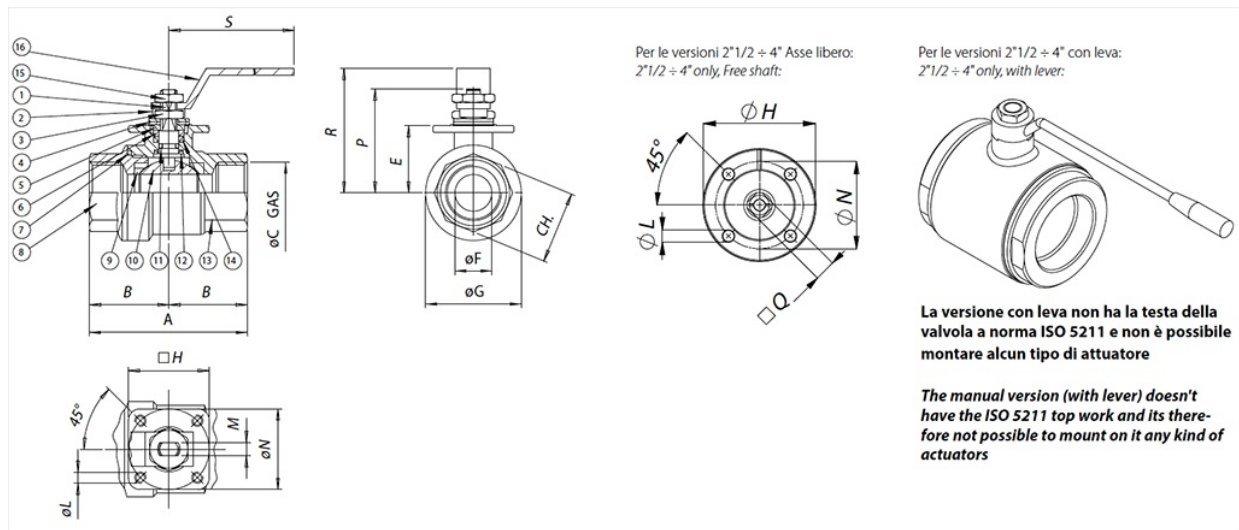
- According to 2014/68/EU "PED"
- ATEX version on request in conformity with directive 2014/34/EU, not available for sizes DN10 3/8" e DN15 1/2"

dimensions



SIZE		DIMENSIONS														
DN [mm]	[inch]	A	B	øC	E	øF	øG	H	øL	M	øQ	øN	CH	P	R	S
DN 10	3/8"	55	25	3/8"	22	10	29	36	M5	4	-	36	21,5	37,5	52	110
DN 15	1/2"	65	30	1/2"	24,8	15	34	36	M5	4	-	36	26,5	40,3	55	110
DN 20	3/4"	70	35	3/4"	31,3	20	42,5	36	M5	6	-	36	31,5	50,8	66	140
DN 25	1"	85	42,5	1"	35,3	25	50,5	36	M5	6	-	36	40,5	54,8	70	140
DN 32	1" 1/4	95	47,5	1"1/4	44	32	63	42	M5	8	-	42	49,5	68	85	180
DN 40	1" 1/2	105	52,5	1"1/2	50,3	40	75,5	42	M5	8	-	42	54,5	74,3	91	180
DN 50	2"	125	62,5	2"	57,9	50	91	50	M6	10	-	50	69,5	87	105	230
DN 65	2" 1/2	128	64	2"1/2	94,5	65	110	90	9	-	17	70	-	109,5	110	235
DN 80	3"	150	75	3"	106	80	141	90	9	-	17	70	-	121	130	285
DN 100	4"	178	89	4"	120	100	160	120	11	-	17	102	-	135	150	310

materials



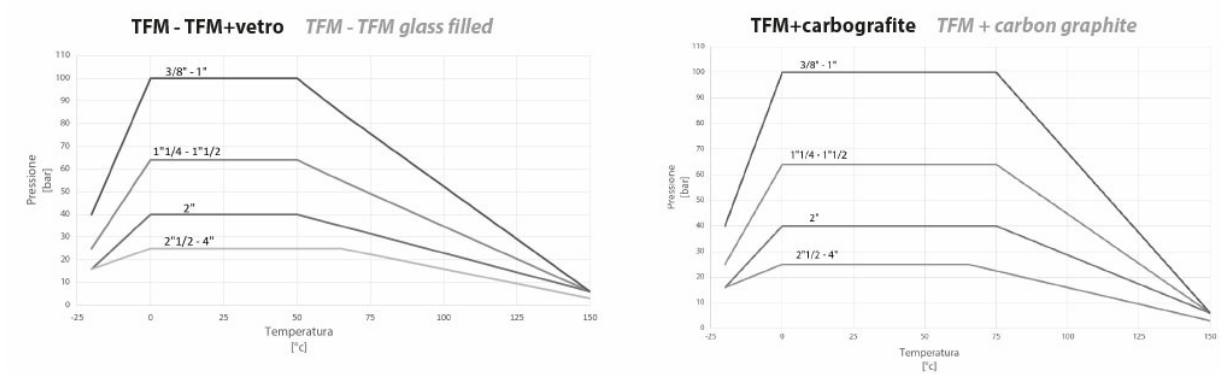
MATERIALS

1	Shaft	316 S.S.	1.4401	UNI X5CrNiMo 17 12
2	Nut holder	304 S.S.	1.4301	UNI X5CrNi 18 10
3	Lock nut	304 S.S.	1.4301	UNI X5CrNi 18 10
4	Belleville washer	301 S.S.	1.4310	UNI X12CrNi 17 07
5	Washer	304 S.S.	1.4301	UNI X5CrNi 18 10
6	Gland nut	304 S.S.	1.4301	UNI X5CrNi 18 10
7*	Static ring	P.T.F.E.		
8	End	316 S.S.	1.4408	
9*	Seals	P.T.F.E.		
10	Ball	316 S.S.	1.4401	UNI X5CrNiMo 17 12
11*	O-ring	FKM		Not available in ATEX version
12*	Bottom tight ring	P.T.F.E.		
13	Body with female end	316 S.S.	1.4408	
14*	Top sealing	P.T.F.E.		
15	Lever nut	304 S.S.	1.4301	UNI X5CrNi 18 10
16	Lever	304 S.S.	1.4301	UNI X5CrNi 18 10

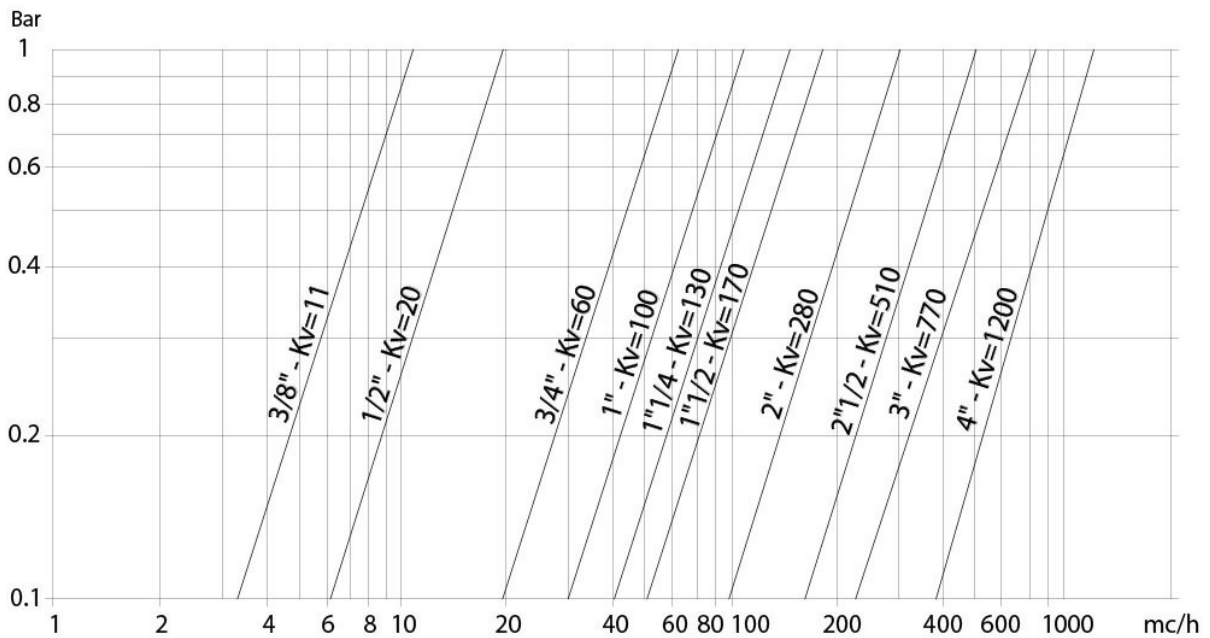
* Components of spare part kit KGBV50...

diagrams and breakaway torque

Pressure/temperature diagram



Flow/pressure loss diagram and Kv nominal coefficient



Kv is the coefficient, expressed in m^3/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"	DN 65 2\"1/2	DN 80 3"	DN 100 4"
PN 25 bar								76	106	146
PN 40 bar							56			
PN 64 bar					28	40				
PN 100 bar	8	10	14	20						

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.

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_0844-04](#)