

Item 448 stainless steel ball valves



Macro Ball valves

Category Other stainless steel ball valves

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

features

GENERAL FEATURES:

- The valve can be used as diverted only and the in let can be from the central way, only; see plan.
- The valve is manufactured in 316L stainless steel.
- Working temperature: from -20°C to +150°C
- Working pressure: see table.
- Fluid range: air, water, gas, oils, petroleum and petrochemical products, aggressive media.
- Female threaded ends as per ISO 228 specifications.
- ISO 5211 flange connection.
- **The manual version (with lever) doesn't have the ISO 5211 flange connection and its therefore not possible to mount on it any kind of actuators.**

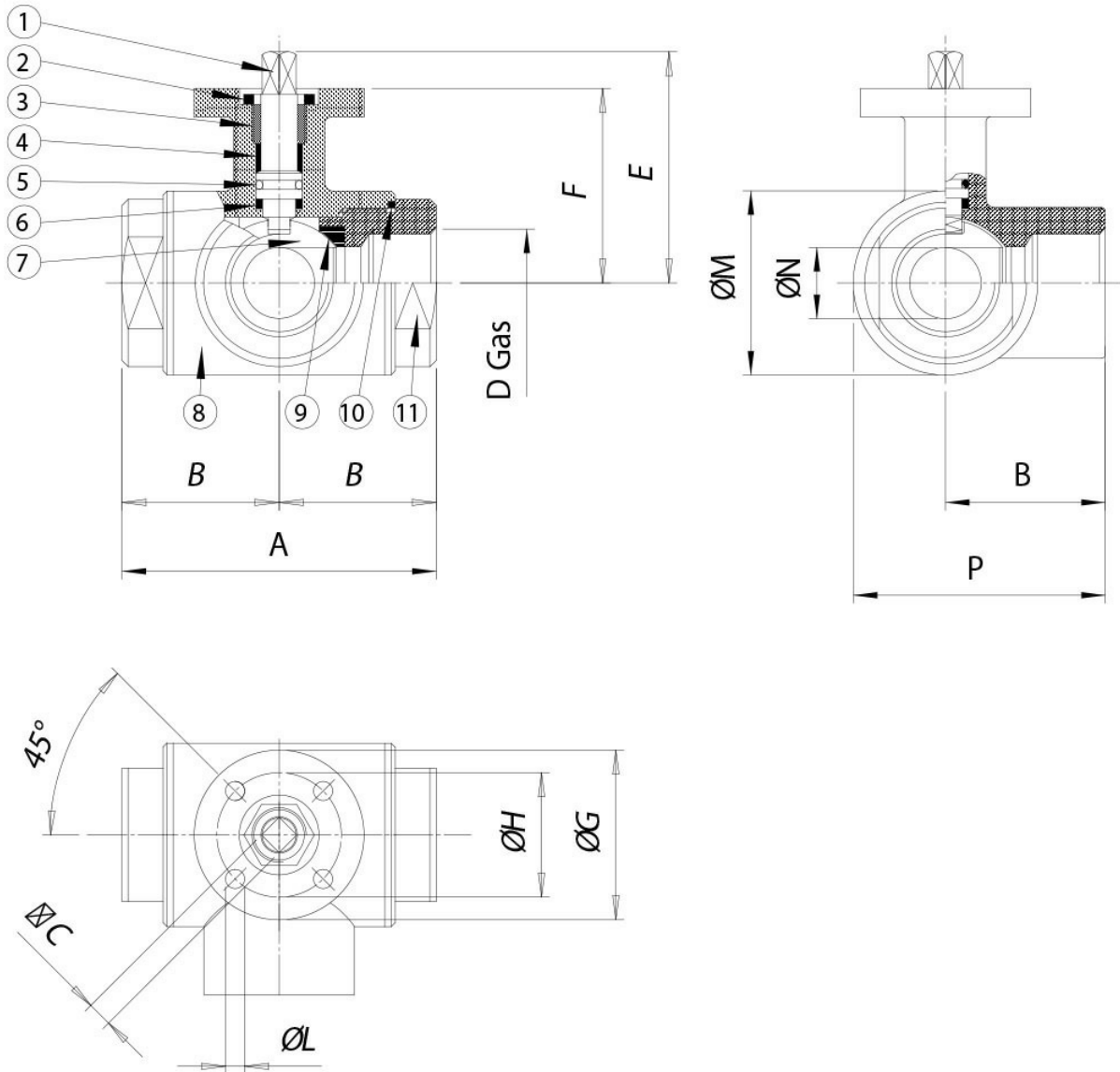
ON REQUEST:

- Seals made of:
 - PTFE glass filled,
 - PTFE with carbon graphite,
 - High-molecular weight polyethylene.
- For other applications, please contact our sales department.

CERTIFICATIONS:

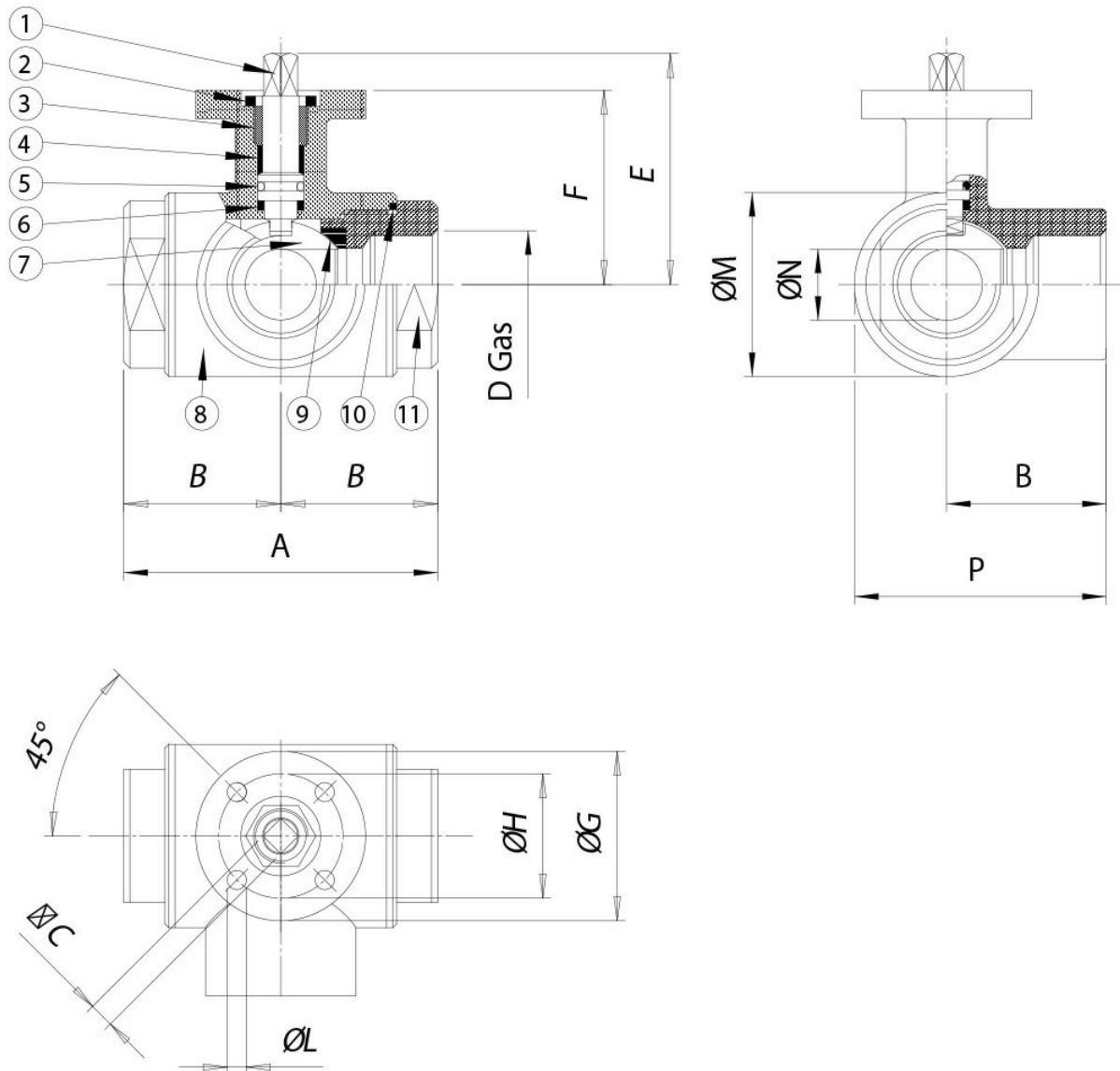
- ATEX version in conformity with European Directive 2014/34/EU.
- ATEX certificate on request

dimensions



SIZE		DIMENSIONS											
DN [mm]	[inch]	A	B	□C	D	E	F	øG	øH	øL	øM	øN	P
DN 10	3/8"	72	36	6	3/8"	54	46	46	36	6	35	10	53,5
DN 15	1/2"	82	41	6	1/2"	57	49	46	36	6	42	15	62
DN 20	3/4"	92	46	9	3/4"	69,5	56,5	65	36	7	52	20	72
DN 25	1"	102	51	9	1"	74	61	65	50	7	60	25	81
DN 32	1" 1/4	118	59	14	1" 1/4	94,5	81,5	65	50	7	72,5	32	95,3
DN 40	1" 1/2	134	67	14	1" 1/2	102	89	65	50	7	88	40	111
DN 50	2"	144	72	17	2"	106,5	91,5	65	70	9	101,5	50	122,8
DN 65	2" 1/2	160	80	17	2" 1/2	116,5	101,5	90	70	9	121	65	140,5
DN 80	3"	200	100	17	3"	131	116	125	102	11	150	80	175
DN 100	4"	240	120	17	4"	146	131	125	102	11	182	100	211

materials

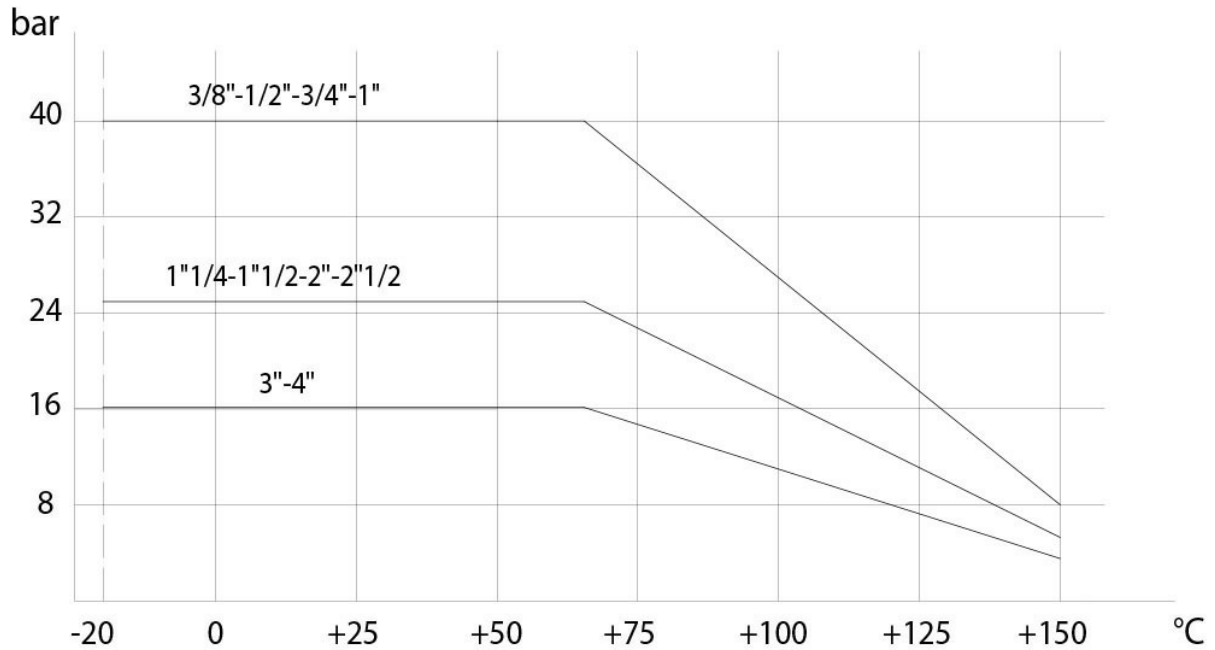


MATERIALS				
1	Shaft	316L S.S.	1.4401	UNI X2CrNiMo 17 12
2	Nut	303 S.S.		
3	Gland nut ring	304 S.S. (303 S.S.)		
4*	Top tight ring	P.T.F.E.		
5*	Shaft o-ring	FKM		
6*	Washer	P.T.F.E.		
7	Ball	316L S.S.	1.4401	UNI X2CrNiMo 17 12
8	Body	316L S.S.	1.4401	UNI X2CrNiMo 17 12
9*	Seals	P.T.F.E.		
10*	End sealings	P.T.F.E.		
11	End	316L S.S.	1.4401	UNI X2CrNiMo 17 12

* Components of spare part kit KGBV66...

diagrams and breakaway torque

Pressure/temperature diagram



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 16 bar									140	215
PN 25 bar					28	41	61	90		
PN 40 bar	7	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.

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

