

2450 / 2451 / 2460 / 2461 / 2471 / 2472

“BURAN” FULL BORE BALL VALVE WITH ADJUSTABLE PACKING GLAND THREAD ISO228



2450



2451



2460



2461



2471



2472

DESCRIPTION

Suitable for domestic and commercial plumbing, industrial and agricultural applications, heating and sanitary systems pneumatic systems, oils, petroliferous products, generally with every non aggressive fluid.

PRODUCTION RANGE

Art.	Code	Connection unions	Type
2450	245 0007	1/2"	Female/female Black aluminium lead sealed handle
	245 0008	3/4"	
	245 0009	1"	
	245 0023	1" 1/4	
	245 0024	1" 1/2	
	245 0025	2"	
	245 0152	2" 1/2	
	245 0153	3"	
	245 0154	4"	

Art.	Code	Connection unions	Type
2451	245 0013	½"	Male/female Black aluminium lead sealed handle
	245 0014	¾"	
	245 0015	1"	
	245 0027	1"1/4	
	245 0028	1"1/2	
	245 0029	2"	

Art.	Code	Connection unions	Type
2460	245 0010	½"	Female/female Black T lead sealed handle
	245 0011	¾"	
	245 0012	1"	
	245 0026	1"1/4	

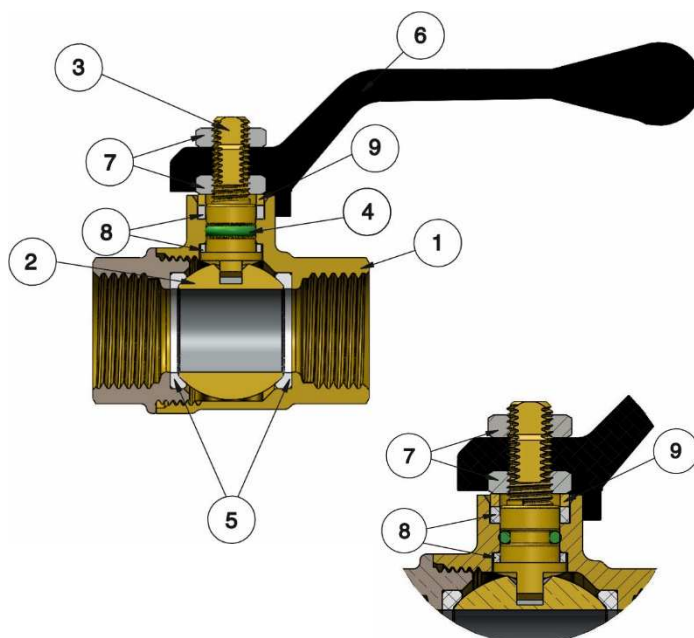
Art.	Code	Connection unions	Type
2461	245 0016	½"	Male/female Black T lead sealed handle
	245 0017	¾"	
	245 0018	1"	
	245 0030	1"1/4	

Art.	Code	Connection unions	Type
2471	245 0001	½"	Male/female Black aluminium lead sealed handle
	245 0002	¾"	
	245 0003	1"	
	245 0019	1"1/4	
	245 0020	1"1/2	
	245 0021	2"	

Art.	Code	Connection unions	Type
2472	245 0004	½"	Male/female Black T lead sealed handle
	245 0005	¾"	
	245 0006	1"	
	245 0022	1"1/4	

MANUFACTURING SPECIFICATIONS

- (1) Body and Sleeve: Brass CW617N nickel finish
- (2) Ball: Brass CW617N chrome plated
- (3) Stem: Brass CW617N
- (4) O-rings: Rubber FKM/FPM
- (5) Side washers: PTFE
- (6) Handle & Butterfly: Black painted aluminum
- (7) Nut: Galvanized steel
- (8) Gasket: PTFE
- (9) Ring: Brass CW617N
- Threads: ISO228



TECHNICAL SPECIFICATIONS

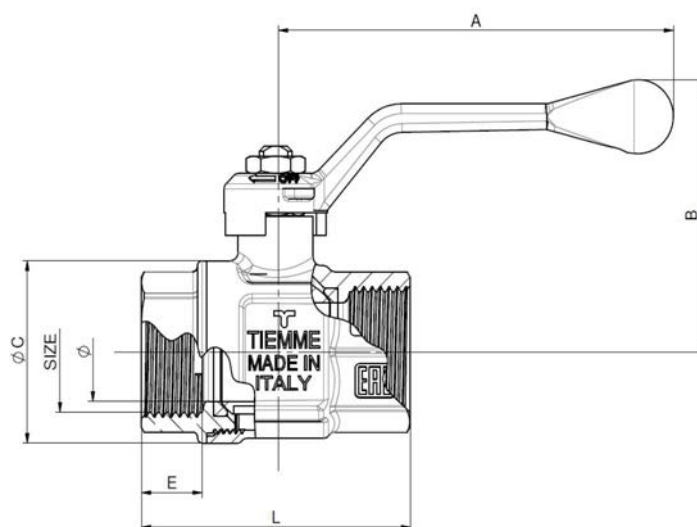
- Maximum working temperature: + 160 °C
- Min working temperature: - 20 °C (provided that the fluid remains in liquid phase)
- Maximum working pressure: See dimensional table (PN)
- Compatible fluids: Water, water and glycol solutions (maximum glycol 30%), non-corrosive fluids *

* to check compatibility with fluids or other substances not listed, contact Tiemme technical office.

DIMENSIONAL SPECIFICATIONS

2450

Dimensions en mm.

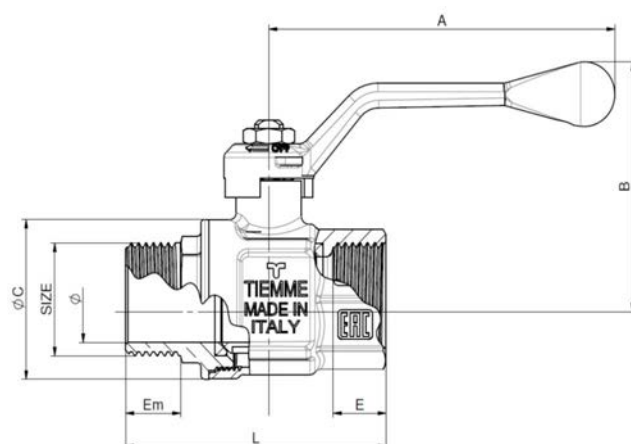


Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Ø (DN)	15	20	25	32	40	50	60	74	94
A	85	85	100	100	160	160	240	240	240
B	52	55,2	62,5	68	88,5	99	118	128	142
Ø C	30	37	45	57	68	84	103	124	152
E	12	13	15	16,5	16	17,5	21,5	23,5	27
L	50	57,5	68	81,5	89	103,5	130	149	178
PN	64	50	50	50	40	40	18	16	16
PN *	20	20	20	20	20	20	10	10	10

* pneumatic systems

2451

Dimensions en mm.

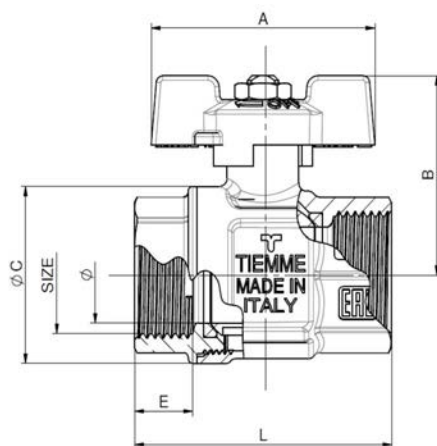


Size	½"	¾"	1"	1"1/4	1"1/2	2"
Ø (DN)	15	20	25	32	40	50
A	85	85	100	100	160	160
B	52	55,2	62,5	68	88,5	99
Ø C	30	37	45	57	68	84
E	12	13	15	16,5	16	17,5
Em	11,5	13,5	14,5	17	15	16,5
L	56,5	64	76	90	96,5	114,5
PN	64	50	50	50	40	40
PN *	20	20	20	20	20	20

* pneumatic systems

2460

Dimensions en mm.

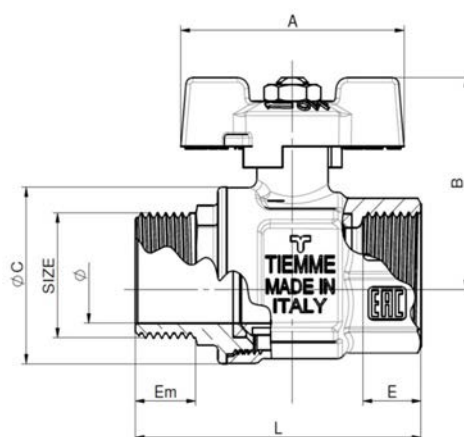


Size	½"	¾"	1"	1"1/4
Ø (DN)	15	20	25	32
A	50	50	65	65
B	52	55,2	62,5	68
Ø C	30	37	45	57
E	12	13	15	16,5
L	50	57,5	68	81,5
PN	64	50	50	50
PN *	20	20	20	20

* pneumatic systems

2461

Dimensions en mm.

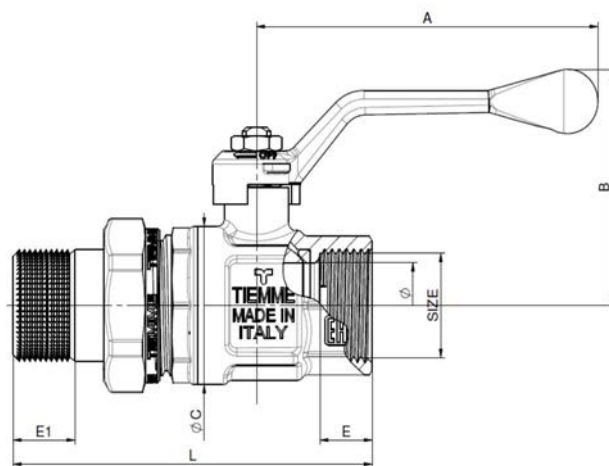


Size	½"	¾"	1"	1 1/4"
Ø (DN)	15	20	25	32
A	50	50	65	65
B	52	55,2	62,5	68
Ø C	30	37	45	57
E	12	13	15	16,5
Em	11,5	13,5	14,5	17
L	56,5	64	76	90
PN	64	50	50	50
PN *	20	20	20	20

* pneumatic systems

2471

Dimensions en mm.

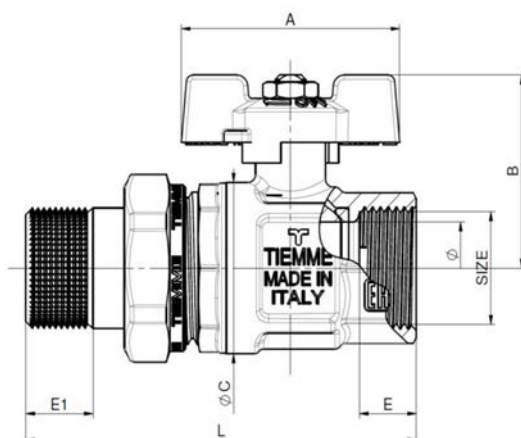


Size	½"	¾"	1"	1 1/4"	1 1/2"	2"
Ø (DN)	15	20	25	32	40	50
A	85	85	100	100	160	160
B	52	55,2	62,5	68	88,5	99
Ø C	30	37	45	57	68	84
E	12	13	15	16,5	16	17,5
E1	12,5	14	16	15	18	18
L	79,5	89,5	104	122	133,5	154,5
PN	64	50	50	50	40	40
PN *	20	20	20	20	20	20

* pneumatic systems

2472

Dimensions en mm.



Size	1/2"	3/4"	1"	1 1/4"
Ø (DN)	15	20	25	32
A	50	50	65	65
B	52	55,2	62,5	68
Ø C	30	37	45	57
E	12	13	15	16,5
E1	12,5	14	16	15
L	79,5	89,5	104	122
PN	64	50	50	50
PN *	20	20	20	20

* pneumatic systems

HYDRAULIC SPECIFICATIONS

Diagram 1: Flow/pressure drop.

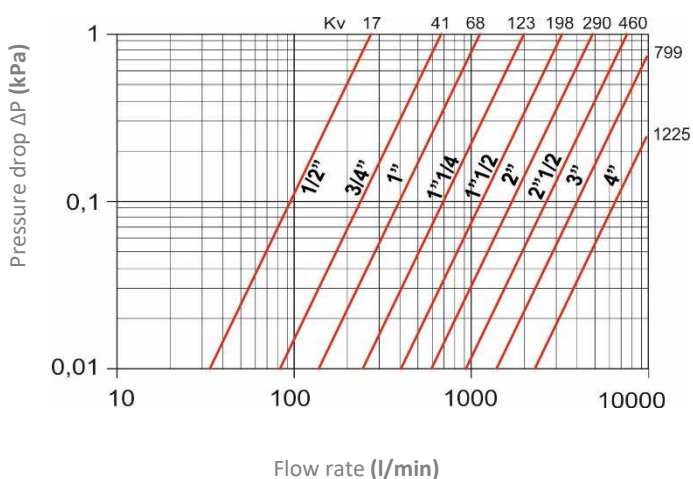
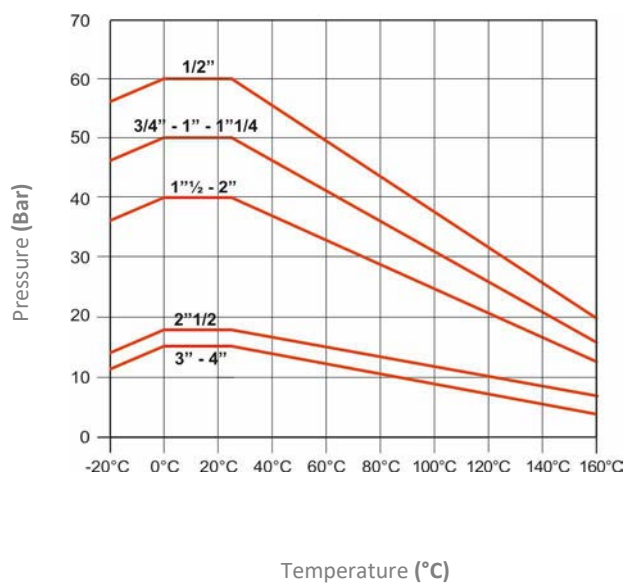


Diagram 2: Pressure/temperature.



INSTALLATION

- The valves can be installed in any position (orizental, vertical, ...) provided that shall be placed in visible and accessible position and the open/close operations shall be easily and completely done.
- Otherwise stated to close the valve the handle shall be turned clockwise, counterclockwise to open it.
- Otherwise stated by specific marks on the valve body (arrows,...) there is no valve flow direction.
- The system shall be designed and realised in order to avoid any stress that could damage the valve and could compromise the sealing and the correct working of the valve.
- All installation operations shall be done using properly tooling. The tightenings shall be such as to guarantee the sealing but without make any damage to the valve or fittings.
- Once the installation have been completed is necessary to verify the sealings according to technical specifications and/or what required by the country of installation.
- The valve should not be kept in intermediate position for a long period of time in order to avoid any damages of the valve sealings.
- If the valve have not been used for a long period of time it may be difficult to operate therefore it will be necessary to use a "long lever".
- To kept the valve and sealings in good conditions it is suggested to place a filter upstream in order to stop impurity.
- For any further information please contact the authorized dealers or directly TIEMME RACCORDERIE S.p.A.

TIEMME RACCORDERIE S.p.A. declines all responsibility in case of failures and/or accidents resulting from the non-compliance with these indications and from improper use of the system. The information given does not exempt the user from following the regulations and good technical regulations in force.

CERTIFICATIONS

