

2360R07 / 2361R07 / 2370R07 / 2371R07 / 2380R07 / 2381R07
“TORNADO” STANDARD BORE BALL VALVE
THREAD ISO7



2360R07



2361R07



2370R07



2371R07



2380R07



2381R07

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
2360R07	238 0010	1/2"	Female/female Red aluminium handle
	238 0008	3/4"	
	238 0002	1"	
	238 0013	1"1/4	
	238 0014	1"1/2	
	238 0003	2"	
	238 0043	1/2"	Female/female Black aluminium handle
	238 0034	3/4"	
	238 0051	1"	
	238 0044	1"1/4	
	238 0035	1"1/2	
	238 0036	2"	

Art.	Code	Connection unions	Type
2361R07	238 0016	½"	Male/female Red aluminium handle
	238 0012	¾"	
	238 0011	1"	
	238 0019	1"1/4	
	238 0022	1"1/2	
	238 0021	2"	
	238 0037	½"	
	238 0047	¾"	
	238 0038	1"	
	238 0048	1"1/4	
	238 0049	1"1/2	
	238 0050	2"	

Art.	Code	Connection unions	Type
2370R07	238 0015	½"	Female/female Red T handle
	238 0017	¾"	
	238 0024	1"	
	238 0028	1"1/4	
	238 0039	½"	Female/female Black T handle
	238 0045	¾"	
	238 0040	1"	
	238 0052	1"1/4	

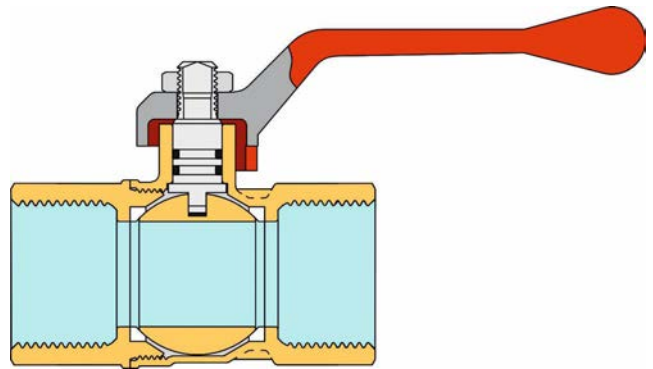
Art.	Code	Connection unions	Type
2371R07	238 0001	½"	Male/female Red T handle
	238 0004	¾"	
	238 0009	1"	
	238 0025	1"1/4	
	238 0041	½"	Male/female Black T handle
	238 0042	¾"	
	238 0046	1"	
	238 0053	1"1/4	

Art.	Code	Connection unions	Type
2380R07	238 0006	½"	Female/female Red steel flat handle
	238 0007	¾"	
	238 0005	1"	
	238 0018	1"1/4	
	238 0023	1"1/2	
	238 0020	2"	

Art.	Code	Connection unions	Type
2381R07	238 0026	½"	Male/female Red steel flat handle
	238 0029	¾"	
	238 0027	1"	
	238 0030	1"1/4	
	238 0031	1"1/2	
	238 0032	2"	

MANUFACTURING SPECIFICATIONS

- Body and Sleeve: Brass CW617N nickel finish
- Ball: Brass CW617N chrome plated
- Stem: Brass CW617N
- O-rings: NBR
- Side washers: PTFE
- Flat handle: Steel Fe 37 Zinc plated - plasticized
- Handle & Butterfly: Red/black painted aluminum
- Nut: Galvanized steel
- Threads: ISO7



TECHNICAL SPECIFICATIONS

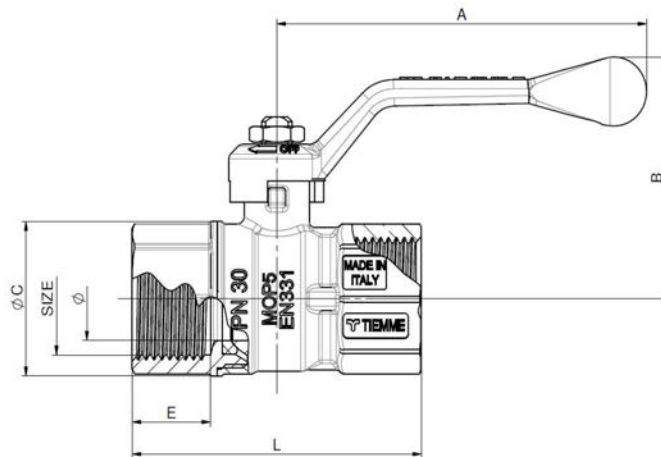
- Maximum working temperature: + 120 °C
- Min working temperature: - 20 °C (provided that the fluid remains in liquid phase)
- Maximum working pressure: See dimensional table (PN)
- Compatible fluids: Water, water and glycol solutions (maximum glycol 30%), non-corrosive fluids *

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

DIMENSIONAL SPECIFICATIONS

2360R07

Dimensions in mm.

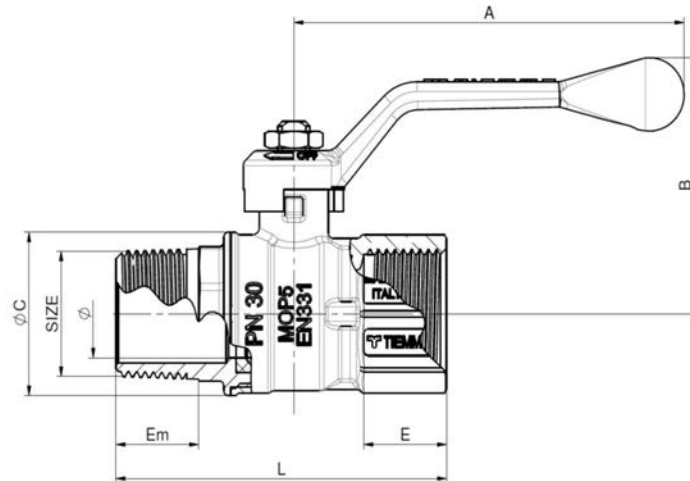


Size	½"	¾"	1"	1"1/4	1"1/2	2"
Ø (DN)	14	18	23,5	30	37,5	47
A	85	85	100	100	140	140
B	48	52,5	59,5	64,5	76	89
Ø C	27,5	33,5	42	53	64	79
E	17	18	21,5	24	24	28,5
L	58	66,5	78	93	101	121
PN	30	30	30	25	25	25
PN *	20	20	20	20	20	20

* pneumatic systems

2361R07

Dimensions in mm.

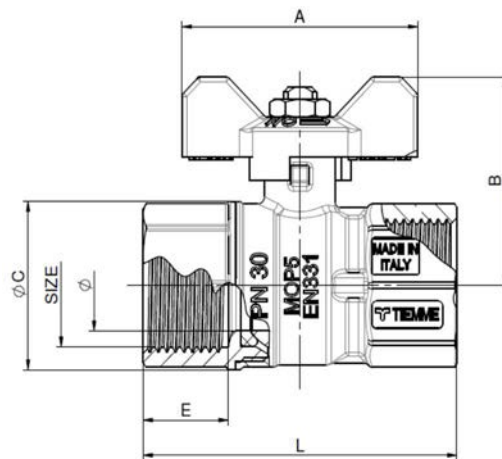


Size	½"	¾"	1"	1"1/4	1"1/2	2"
Ø (DN)	14	18	23,5	30	37,5	47
A	85	85	100	100	140	140
B	48	52,5	59,5	64,5	76	89
Ø C	27,5	33,5	42	53	64	79
E	17	18	21,5	24	24	28,5
Em	16,5	18	21	23,5	23,5	28
L	63,5	72	83	99,1	108	129
PN	30	30	30	25	25	25
PN *	20	20	20	20	20	20

* pneumatic systems

2370R07

Dimensions in mm.

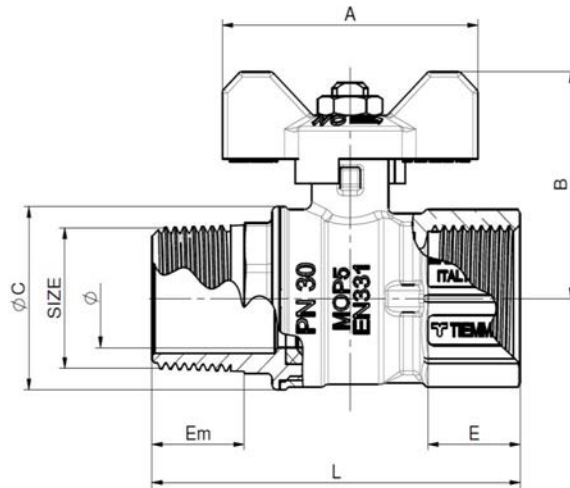


Size	½"	¾"	1"	1"1/4
Ø (DN)	14	18	23,5	30
A	50	50	65	65
B	48	52,5	59,5	64,5
Ø C	27,5	33,5	42	53
E	17	18	21,5	24
L	58	66,5	78	93
PN	30	30	30	25
PN *	20	20	20	20

* pneumatic systems

2371R07

Dimensions in mm.

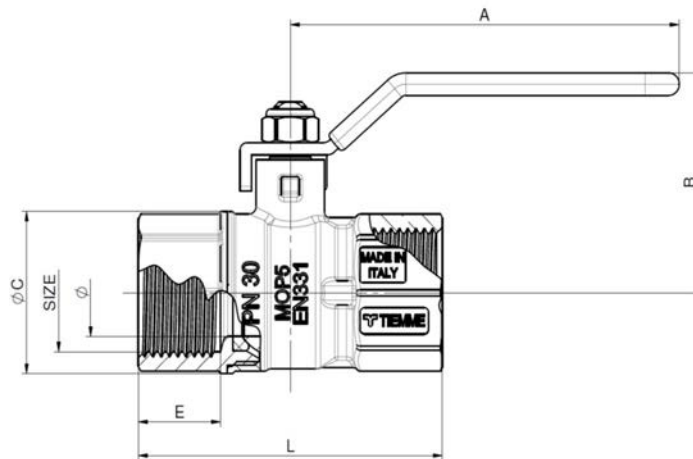


Size	½"	¾"	1"	1 1/4"
Ø (DN)	14	18	23,5	30
A	50	50	65	65
B	48	52,5	59,5	64,5
Ø C	27,5	33,5	42	53
E	17	18	21,5	24
Em	16,5	18	21	23,5
L	63,5	72	83	99,1
PN	30	30	30	25
PN *	20	20	20	20

* pneumatic systems

2380R07

Dimensions in mm.

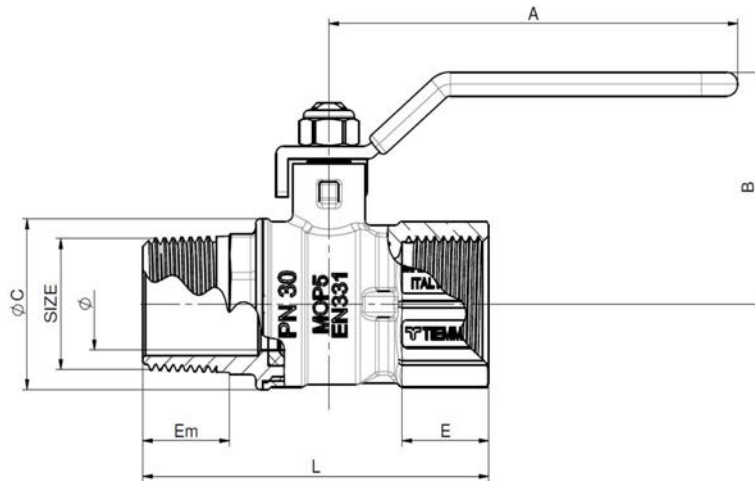


Size	½"	¾"	1"	1 1/4"	1 1/2"	2"
Ø (DN)	14	18	23,5	30	37,5	47
A	85	85	113	113	141	141
B	48	52,5	59,5	64,5	76	89
Ø C	27,5	33,5	42	53	64	79
E	17	18	21,5	24	24	28,5
L	58	66,5	78	93	101	121
PN	30	30	30	25	25	25
PN *	20	20	20	20	20	20

* pneumatic systems

2381R07

Dimensions in mm.



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø (DN)	14	18	23,5	30	37,5	47
A	85	85	113	113	141	141
B	48	52,5	59,5	64,5	76	89
Ø C	27,5	33,5	42	53	64	79
E	17	18	21,5	24	24	28,5
Em	16,5	18	21	23,5	23,5	28
L	63,5	72	83	99,1	108	129
PN	30	30	30	25	25	25
PN *	20	20	20	20	20	20

* pneumatic systems

HYDRAULIC SPECIFICATIONS

Diagram 1: Flow/pressure drop.

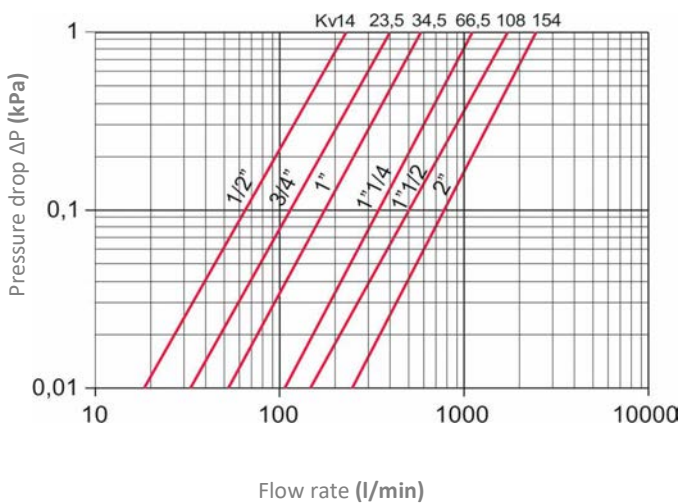
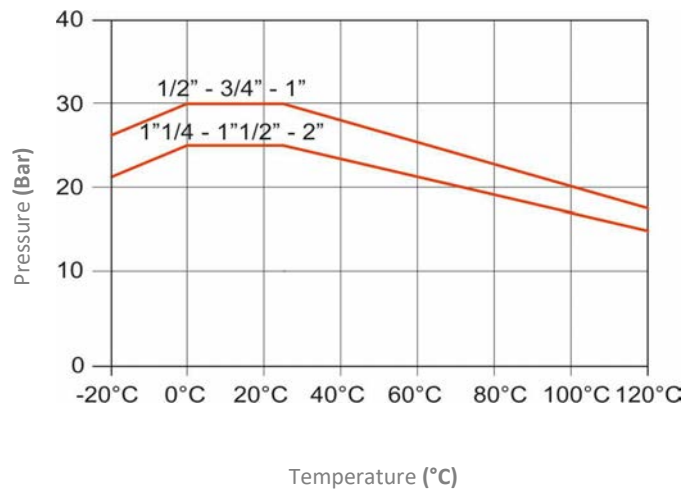


Diagram 2: Pressure/temperature.



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 garante 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 diffucult 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



CERTIFICATIONS

