EN

2310 / 2311 / 2320 / 2321 / 2330 / 2331 / 2332

“SCIROCCO” FULL BORE BALL VALVE
THREAD ISO 228



2310



2311



2320



2321



2330



2331



2332

DESCRIPTION

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

PRODUCTION RANGE

Art.	Code	Connection unions	Type
2310	231 0045	¼” ISO7	Female/female Red aluminium handle
	231 0034	3/8” ISO7	
	231 0002	½”	
	231 0008	¾”	
	231 0001	1”	
	231 0005	1”1/4	
	231 0009	1”1/2	
	231 0004	2”	
	231 0037	2”1/2	
	231 0021	3”	
	231 0027	4”	

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Art.	Code	Connection unions	Type
2310	231 0145	¼" ISO7	Female/female Black aluminium handle
	231 0059	3/8" ISO7	
	231 0146	½"	
	231 0147	¾"	
	231 0148	1"	
	231 0149	1"1/4	
	231 0150	1"1/2	
	231 0151	2"	
	231 0152	2"1/2	
	231 0153	3"	
	231 0154	4"	
	231 0377	3/8" ISO7	Female/female Blue aluminium handle
	231 0365	½"	
	231 0366	¾"	
	231 0367	1"	
	231 0368	1"1/4	
	231 0369	1"1/2	
	231 0370	2"	
	231 0384	2"1/2	
	231 0385	3"	

Art.	Code	Connection unions	Type
2311	231 0054	¼" ISO7	Male/female Red aluminium handle
	231 0041	3/8" ISO7	
	231 0013	½"	
	231 0014	¾"	
	231 0011	1"	
	231 0018	1"1/4	
	231 0025	1"1/2	
	231 0023	2"	
	231 0402	2"1/2	
	231 0407	3"	
	231 0412	4"	
	231 0071	¼" ISO7	Male/female Black aluminium handle
	231 0072	3/8" ISO7	
	231 0155	½"	
	231 0156	¾"	
	231 0157	1"	
	231 0158	1"1/4	
	231 0159	1"1/2	
	231 0160	2"	
	231 0403	2"1/2	
	231 0408	3"	
	231 0413	4"	
	231 0371	½"	Male/female Blue aluminium handle
	231 0372	¾"	
	231 0373	1"	
	231 0374	1"1/4	
	231 0375	1"1/2	
	231 0376	2"	
	231 0404	2"1/2	
	231 0409	3"	
	231 0414	4"	

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Art.	Code	Connection unions	Type
2320	231 0053	¼" ISO7	Female/female Red T handle
	231 0020	3/8" ISO7	
	231 0010	½"	
	231 0012	¾"	
	231 0016	1"	
	231 0087	¼" ISO7	Female/female Black T handle
	231 0088	3/8" ISO7	
	231 0161	½"	
	231 0162	¾"	
	231 0163	1"	
	231 0210	3/8" ISO7	Female/female Blue T handle
	231 0084	½"	
	231 0085	¾"	
	231 0086	1"	

Art.	Code	Connection unions	Type
2321	231 0052	¼" ISO7	Male/female Red T handle
	231 0022	3/8" ISO7	
	231 0003	½"	
	231 0006	¾"	
	231 0007	1"	
	231 0164	¼" ISO7	Male/female Black T handle
	231 0100	3/8" ISO7	
	231 0165	½"	
	231 0166	¾"	
	231 0167	1"	
	231 0097	½"	Male/female Blue T handle
	231 0098	¾"	
	231 0099	1"	

Art.	Code	Connection unions	Type
2330	231 0051	¼" ISO7	Female/female Red steel flat handle
	231 0049	3/8" ISO7	
	231 0026	½"	
	231 0019	¾"	
	231 0017	1"	
	231 0029	1"1/4	
	231 0031	1"1/2	
	231 0024	2"	
	231 0047	2"1/2	
	231 0040	3"	
	231 0050	4"	

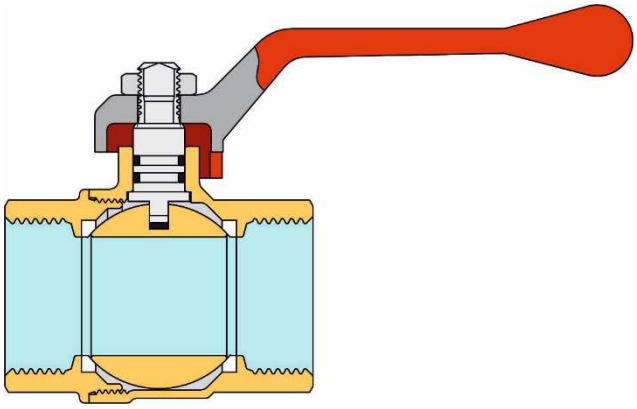
Art.	Code	Connection unions	Type
2331	231 0056	¼" ISO7	Male/female Red steel flat handle
	231 0055	3/8" ISO7	
	231 0032	½"	
	231 0033	¾"	
	231 0028	1"	
	231 0038	1"1/4	
	231 0043	1"1/2	
	231 0044	2"	
	231 0405	2"1/2	
	231 0410	3"	
	231 0415	4"	

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Art.	Code	Connection unions	Type
2332	231 0058	3/8” ISO7	Male/Male
	231 0042	1”1/2	Red steel flat handle
	231 0048	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: ISO 228



TECHNICAL SPECIFICATIONS

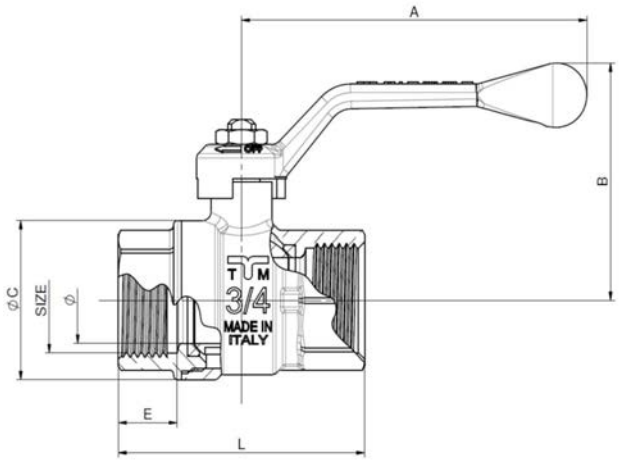
- Maximum working temperature: + 120 °C
- Min working temperature: - 20 °C (provided that the fluid remains in liquid phase)
- Maximum working pressure: See dimensional table (PN)
- Compatible fluids: Water, water and glycol solutions (maximum glycol 30%), non-corrosive fluids *

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

DIMENSIONAL SPECIFICATIONS

2310

Dimensions en mm.

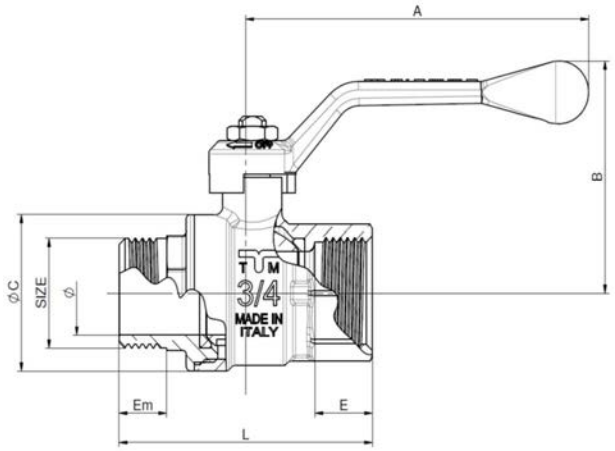


Size	¼”	3/8”	½”	¾”	1”	1”1/4	1”1/2	2”	2”1/2	3”	4”
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A	85	85	85	85	100	140	140	140	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
L	42	47	53	60,5	65	77,5	89	103	130	149	178
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10
* pneumatic systems											

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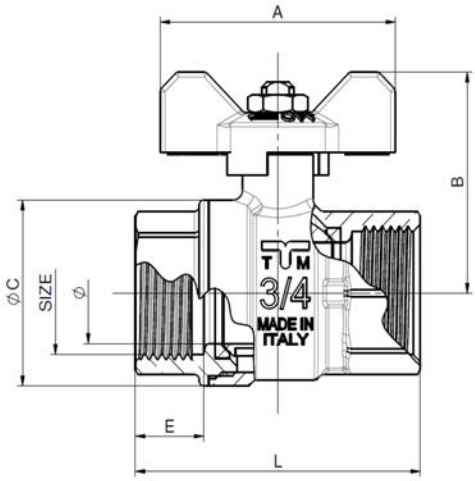
Dimensions en mm.



Size	¼"	3/8"	½"	¾"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A	85	85	85	85	100	140	140	140	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
Em	11	11,5	10	12	13	14	15	16,5	22	24	28
L	43	57	56,5	64	70	85,5	96,5	114	142	162,5	192,5
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10
* pneumatic systems											

2320

Dimensions en mm.

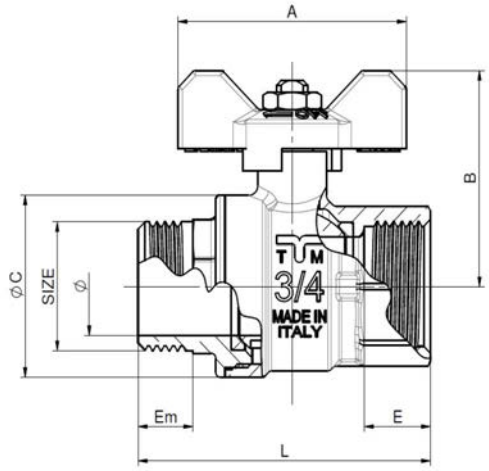


Size	¼"	3/8"	½"	¾"	1"
Ø (DN)	10	10	15	20	25
A 2320	50	50	50	50	65
B	46	46	51.5	54.5	61.5
Ø C	23	23	30	37	45
E	10	12	13,5	14,5	14
L	42	47	53	60,5	65
PN	50	50	50	40	40
PN *	20	20	20	20	20
* pneumatic systems					

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2321

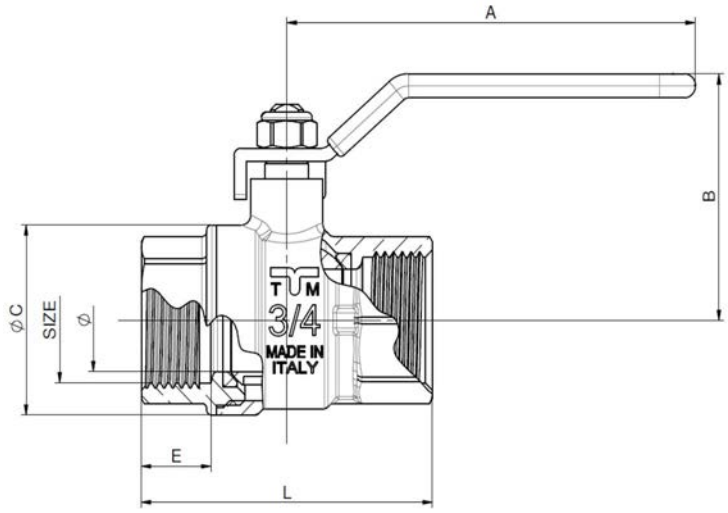
Dimensions en mm.



Size	¼"	3/8"	½"	¾"	1"
Ø (DN)	10	10	15	20	25
A 2320	50	50	50	50	65
B	46	46	51.5	54.5	61.5
Ø C	23	23	30	37	45
E	10	12	13,5	14,5	14
Em	11	11,5	10	12	13
L	43	57	56,5	64	70
PN	50	50	50	40	40
PN *	20	20	20	20	20
* pneumatic systems					

2330

Dimensions en mm.

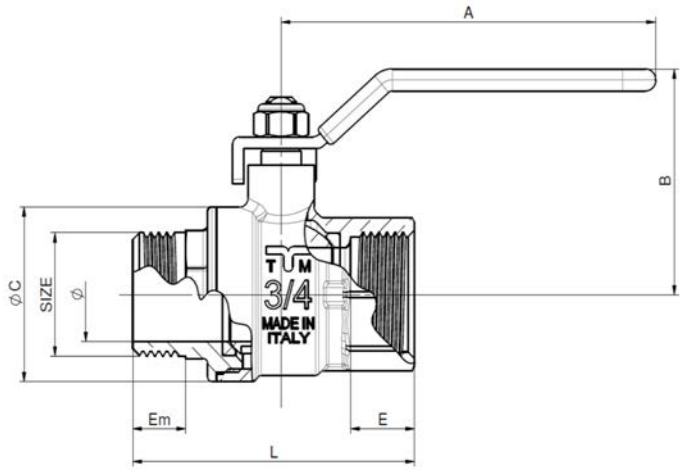


Size	¼"	3/8"	½"	¾"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A 2330	85	85	85	85	113	141	141	141	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
L	42	47	53	60,5	65	77,5	89	103	130	149	178
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10
* pneumatic systems											

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2331

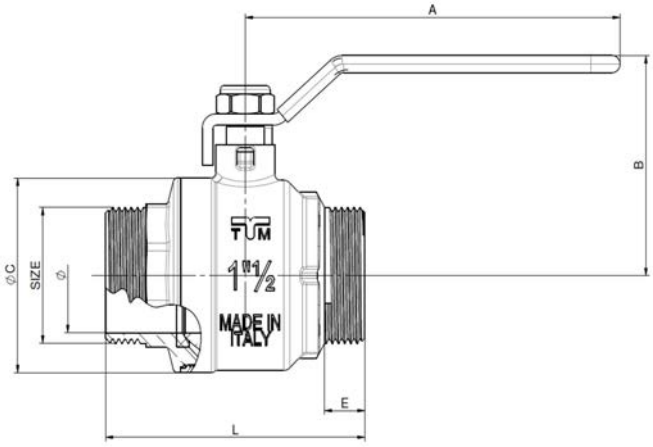
Dimensions en mm.



Size	¼"	3/8"	½"	¾"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø (DN)	10	10	15	20	25	32	40	50	60	74	94
A 2330	85	85	85	85	113	141	141	141	240	240	240
B	46	46	51.5	54.5	61.5	73	79	91,5	118	128	142
Ø C	23	23	30	37	45	55	68	84	103	124	152
E	10	12	13,5	14,5	14	15	16	17,5	21,5	23,5	27
Em	11	11,5	10	12	13	14	15	16,5	22	24	28
L	43	57	56,5	64	70	85,5	96,5	114	142	162,5	192,5
PN	50	50	50	40	40	30	30	25	18	16	16
PN *	20	20	20	20	20	20	20	20	10	10	10
* pneumatic systems											

2332

Dimensions en mm.



Size	3/8"	1"1/2	2"
Ø (DN)	10	40	50
A	85	140	140
B	46	79	91,5
Ø C	23	68	84
Em	11,5	15	16,5
L	56	96,5	114
PN	50	30	25
PN *	20	20	20
* pneumatic systems			

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HYDRAULIC SPECIFICATIONS

Diagram 1: Flow/pressure drop.

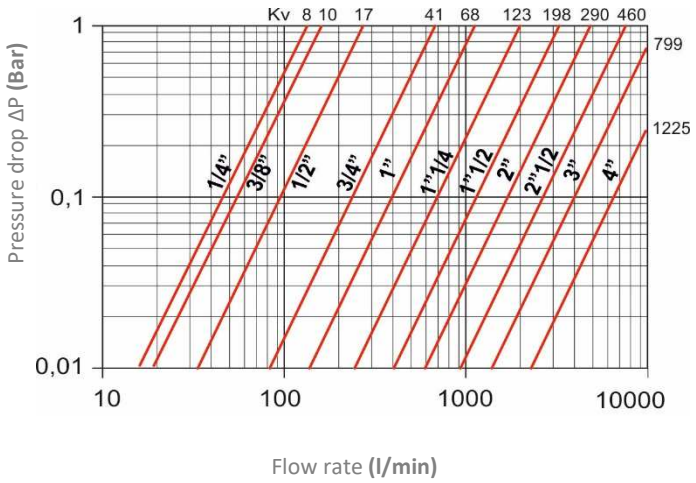
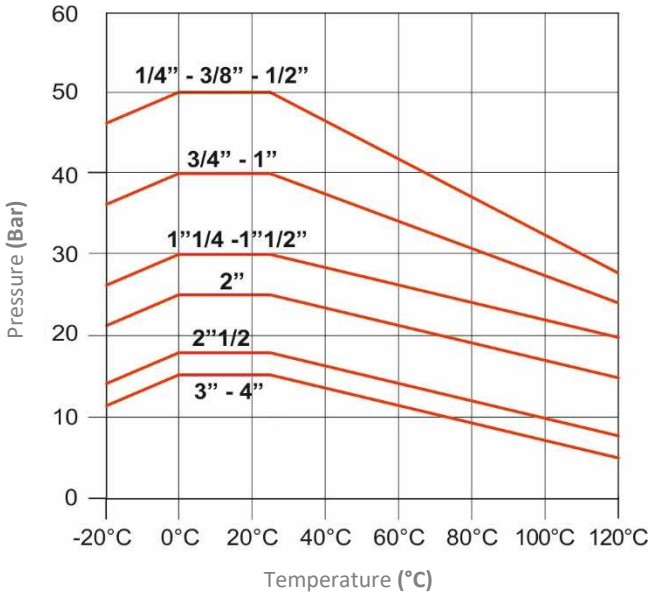


Diagram 2: Pressure/temperature.



INSTALLATION

-The valves can be installed in any position (orizontal, 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 garantee the sealing but without make any demage 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 demages 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

N° 04 ACC LY 052

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