arco®
QUALITY BY TRADITION

nile va25 valve

TECHNICAL SHEET 08/2012 | IP19010

SCOPE

NILE series are manually operated metallic ball valves, by its design and raw materials are intended to be used in:

Plumbing networks.

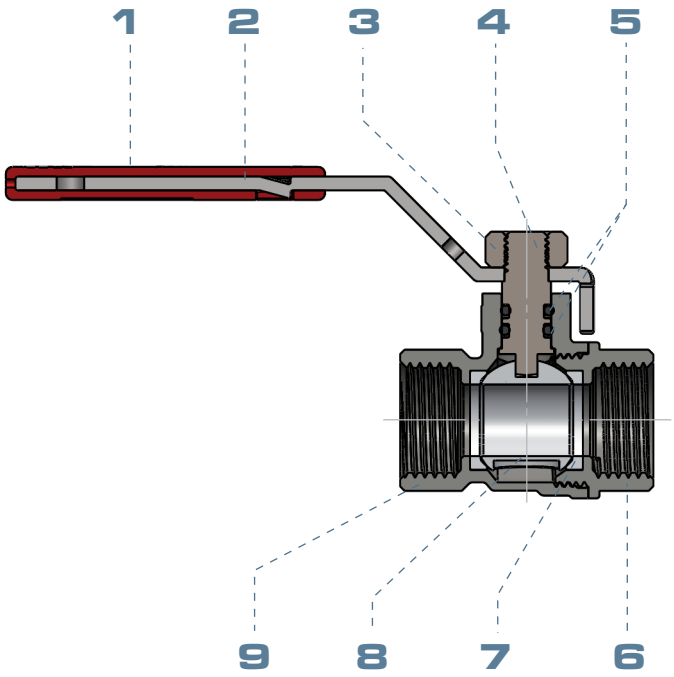
In general all those applications where it is required a valve to stop the fluid supply, assuring the leaktightness in accordance to the working conditions.

SERVICE CONDITIONS

Nominal pressure:	25 bar
Test pressure:	37,5 bar
Temperature range:	-20°C up to 80°C, excluding frozen.
Fluid:	Drinking water and hot water, in discontinuous usage.

COMPONENTS

Item	Component	Material	Treatment
1	Cover	LDPE	
2	Handle	Steel	Geomet®
3	Handle nut	Steel	Geomet®
4	Stem	European Brass CW614N	Zinc plated
5	O-rings	NBR	
6	Lateral	European Brass CW617N	Nickel plated
7	Seat	PTFE	
8	Ball	Brass	Chrome
9	Body	European Brass CW617N	Nickel plated

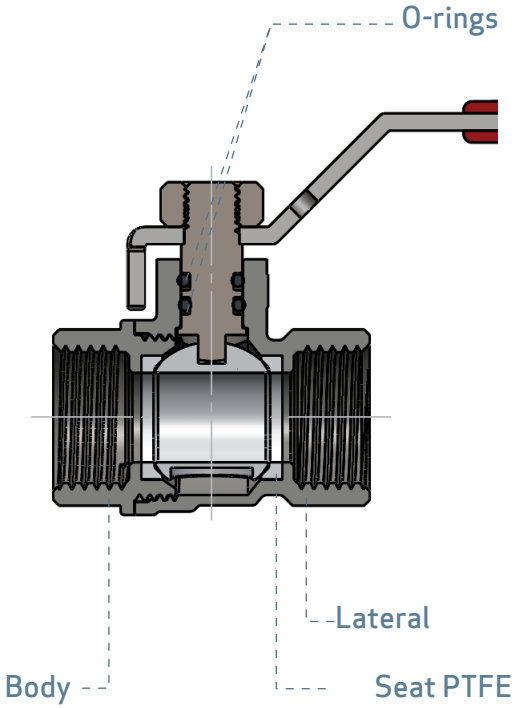


MAIN CONSTUCTIVE **FEATURES**

Body and lateral

Main body and lateral manufactured in European brass alloy CW617N, by the mean of a hot stamping process. This process confers to the European brass alloy the following advantages against casting parts:

- Pores absence.
- Surfaces with better finished and without bumpy texture.
- Higher mechanical endurance.



Seats and O-rings

Seats are made in PTFE, avoiding internal and external leaktighness due to its perfect fit on metallic surfaces

External leaktightness is achieved by the mean of two NBR o-ring, these o-ring avoid any leak and they are also suitable to be in contact with water intended for the human consumption.

Spherical closure

Spherical closure is made in brass, ensuring a higher mechanical endurance against high pressure and maneuvers.

Its diamond mechanized and chrome plated applied on the ball surface assure a long lifespan and a smooth maneuver.

Internal leaktightness (Close position)

Internal leaktightness is assured in both directions by the PTFE seat that press against the spherical closure.

External leaktightness (Open position)

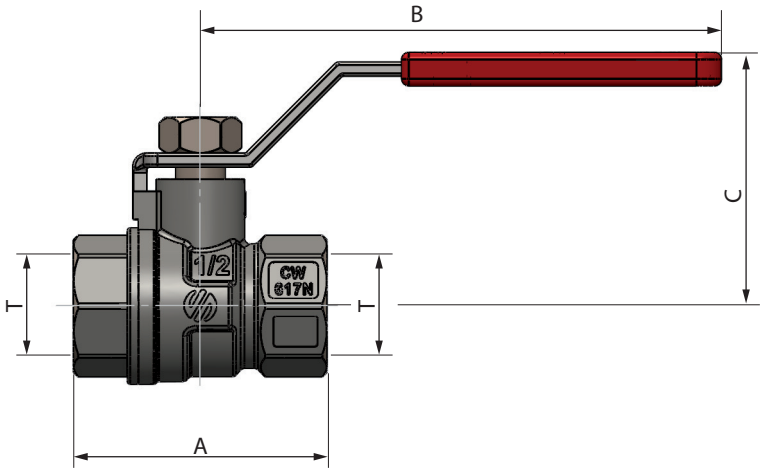
External leaktightness is achieved by the mean of two NBR o-ring.

DIMENSIONS

Female-Female. Lever Handle

Size	T	A	B	C
8	1/4	40	70	32
10	3/8	41	70	32
15	1/2	46	93	47
20	3/4	51	93	50
25	1	63	113	56
32	1 1/4	74	113	62
40	1 1/2	80	153	68
50	2	93	153	73
65	2 1/2	120	173	83

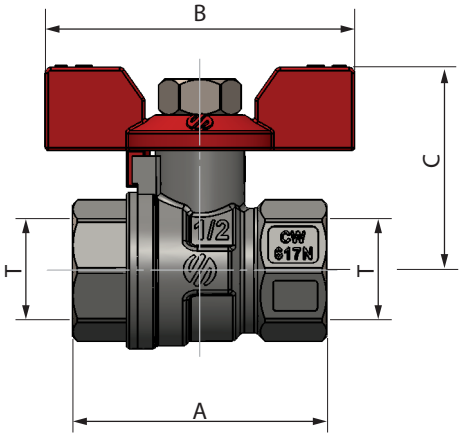
T: Threads (G) ISO 228



Female-Female. Butterfly Handle

Size	T	A	B	C
8	1/4	40	49	32
10	3/8	41	49	32
15	1/2	46	56	39
20	3/4	51	56	41
25	1	63	80	46

T: Threads (G) ISO 228

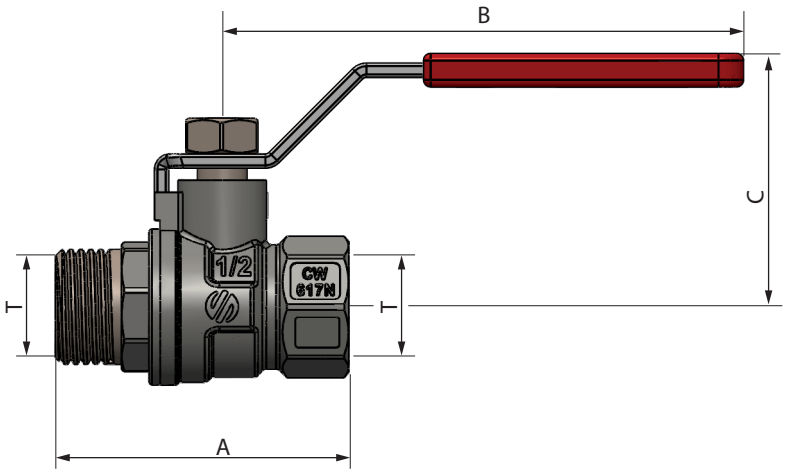


DIMENSIONS

Male-Female. Lever Handle

Size	T	A	B	C
10	3/8	47	70	32
15	1/2	53	93	47
20	3/4	58	93	50
25	1	67	113	56

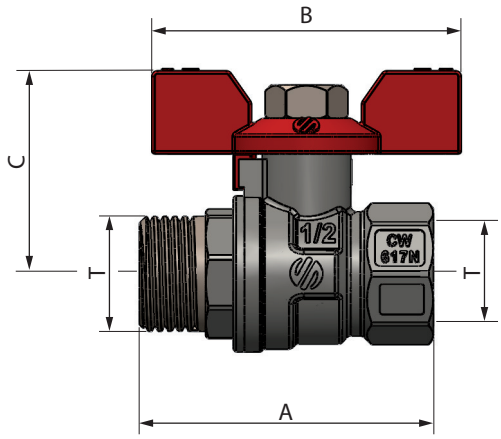
T: Threads (G) ISO 228



Male-Female. Butterfly Handle

Size	T	A	B	C
10	3/8	47	49	32
15	1/2	53	56	39
20	3/4	58	56	41
25	1	67	80	46

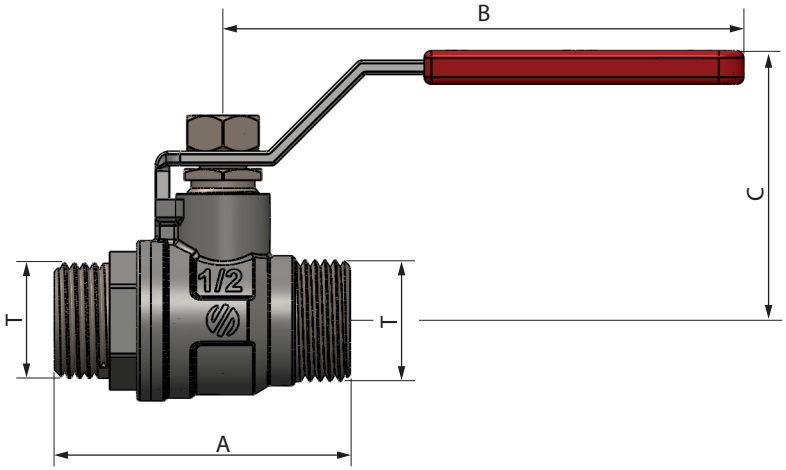
T: Threads (G) ISO 228



Male-male. Lever Handle

Size	T	A	B	C
10	3/8	47	70	32
15	1/2	53	93	47
20	3/4	59	93	50
25	1	67	113	56

T: Threads (G) ISO 228

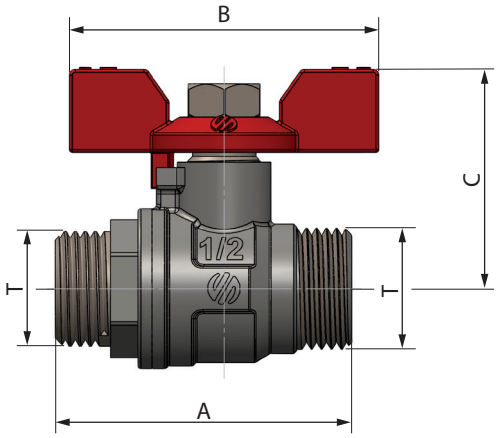


DIMENSIONS

Male-male. Butterfly Handle

Size	T	A	B	C
10	3/8	47	49	32
15	1/2	53	56	39
20	3/4	59	56	41
25	1	67	80	46

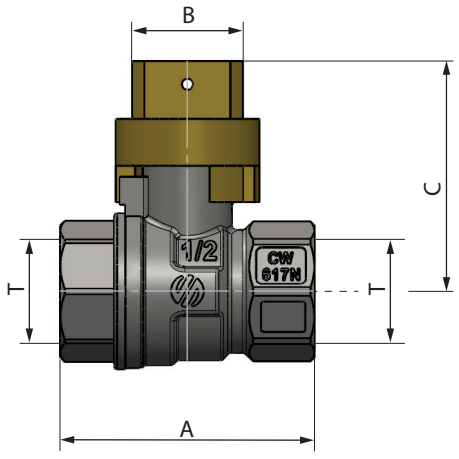
T: Threads (G) ISO 228



Female-Female. Square Handle

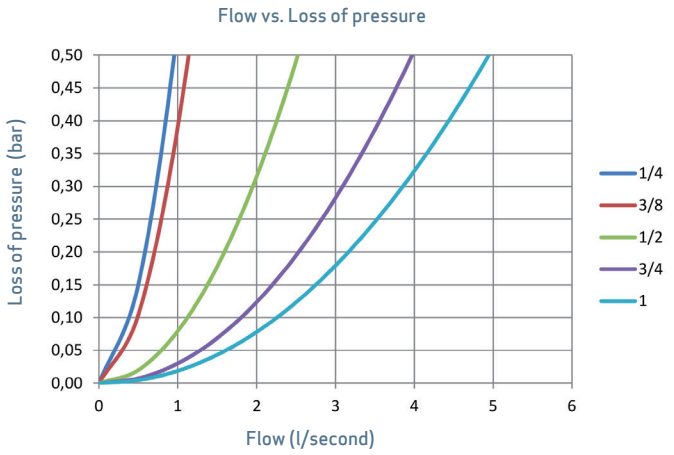
Size	T	A	B	C
15	1/2	46	20	42
20	3/4	51	20	44
25	1	63	20	50

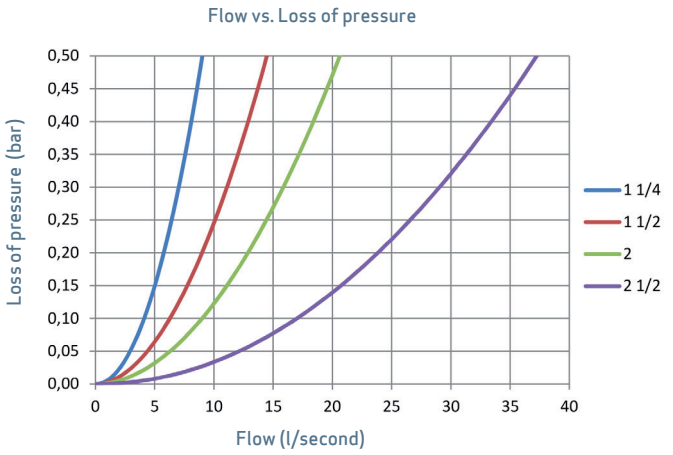
T: Threads (G) ISO 228



HYDRAULIC **FEATURES**

Hydraulic features obtained according to European Standard EN 1267.





INSTALATION **AND ASSEMBLY**

Hold the valve from faces of the hexagons, never from the central part or its neck, that will avoid internal components deformations (in other case valve could be damaged inevitably).

The maximum valve life is obtained with the closure sphere in the full open or close position, it is recommended do not work in intermediate positions for long time periods.

Valve must be maneuver every 3 months; this frequency must be increased for waters with a French hardness over 50º.

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Every product has an impact on the environment during all stages of its life-cycle, including final disposal. All components of these valves can be recycled, deposit the valve in a green or recycled point when no longer useful.

Válvulas ARCO, SL reserves the right to change our products and specifications at any time and without prior notice.