



sen tap



TECHNICAL SHEET 06/2018 | IPO4200

SCOPE

SENA tap series are manually operated metallic ball valves that, due to their design and materials are intended to be used in outdoor plumbing networks like gardens, terraces, etc.

In general, all those applications that require a valve to shut off the liquid flow, assuring leak tightness and fulfill all the following service conditions.

Moreover these SENA taps are able to connect a hose, so most of the models include a nozzle for that purpose.

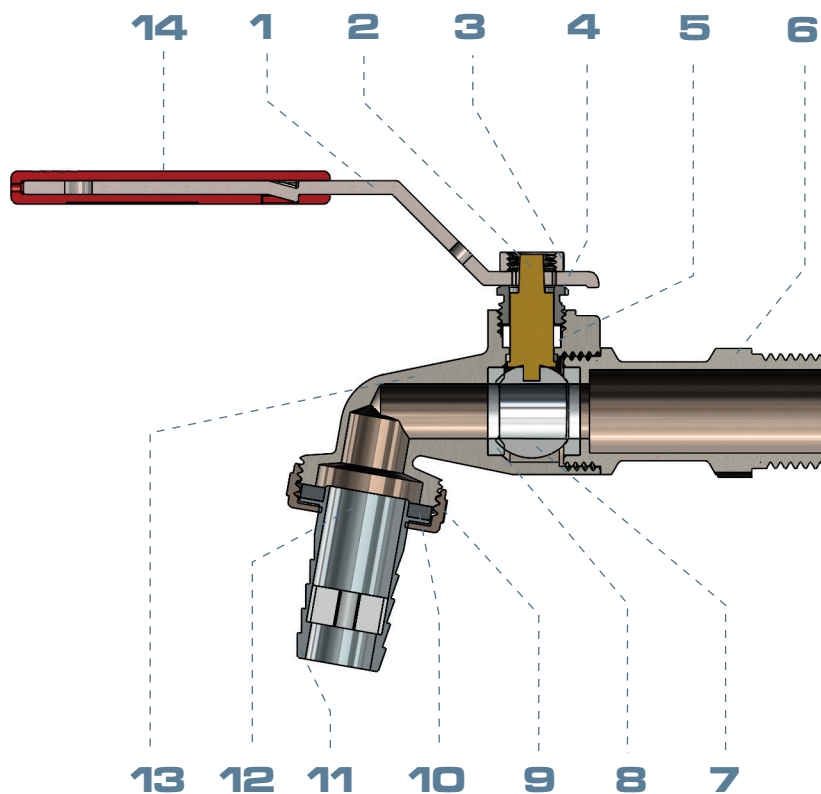
SERVICE CONDITIONS

Nominal pressure:	25 bar
Temperature range:	Cold and hot water until 65°C
Fluid:	Drinking water



COMPONENTS

Item	Component	Material	Treatment
1	Lever handle	Steel	Geomet*
2	Stem	European brass CW617N	Zinc plated
3	Nut	Steel	Geomet*
4	Nut gland	European brass CW617N	Zinc plated
5	Sealing gland	PTFE	
6	Lateral	European brass CW617N	Nickel plated
7	Ball	Brass	Chromed
8	Seat	PTFE	
9	Nut	Brass	Nickel plated
10	O-ring	NBR	
11	Nozzle	Brass	Nickel plated
12	Diffuser	ABS	
13	Body	European brass CW617N	Nickel plated
14	Cover	PE	



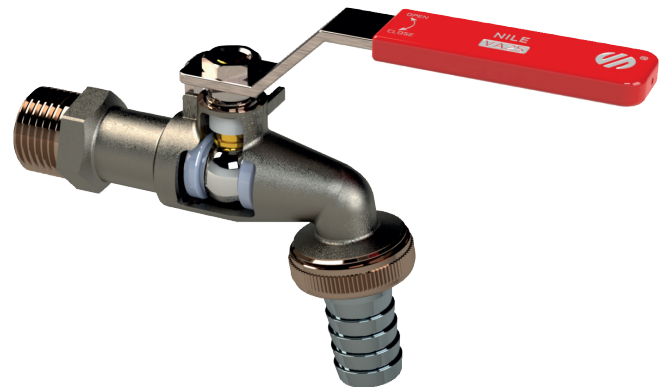


MAIN CONSTRUCTIVE FEATURES

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.



SPHERICAL CLOSURE

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

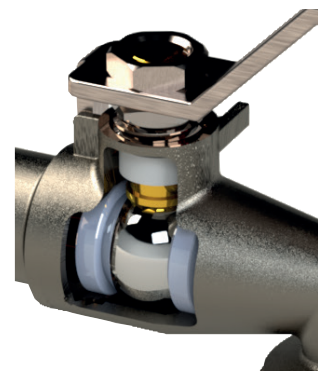
Its diamond mechanized and the following chrome plated applied on the ball surface assure a long lifespan and a smooth maneuver.

INTERNAL LEAKTIGHTNESS

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

EXTERNAL LEAKTIGHTNESS

External leaktightness through the stem is assured by a PTFE sealing gland allowing its retightening if necessary.



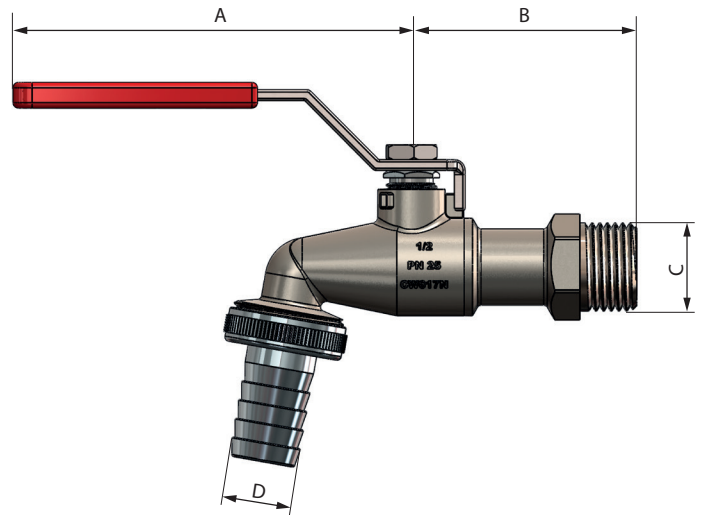


DIMENSIONS

SENA tap. Lever handle

Size	A	B	C	D
1/2M x 3/4 Ø15	95	54	G1/2	G3/4xØ15
3/4 M x 1 Ø20	95	58	G 3/4	G1 x Ø20
1M x 1 1/4 Ø25	95	66	G1	G1 1/4 x Ø25

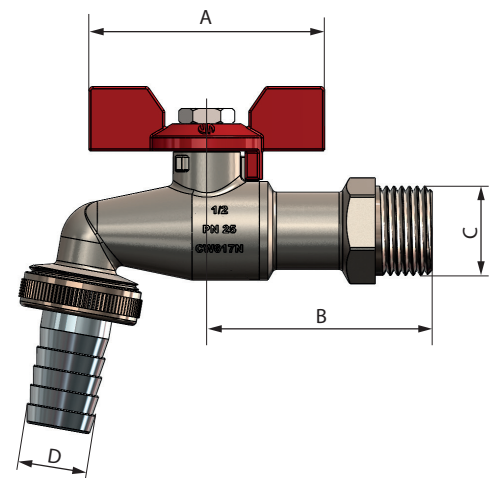
G. ISO 228 thread



SENA tap. Butterfly handle

Size	A	B	C	D
1/2M x 3/4 Ø15	56	54	G1/2	G3/4xØ15

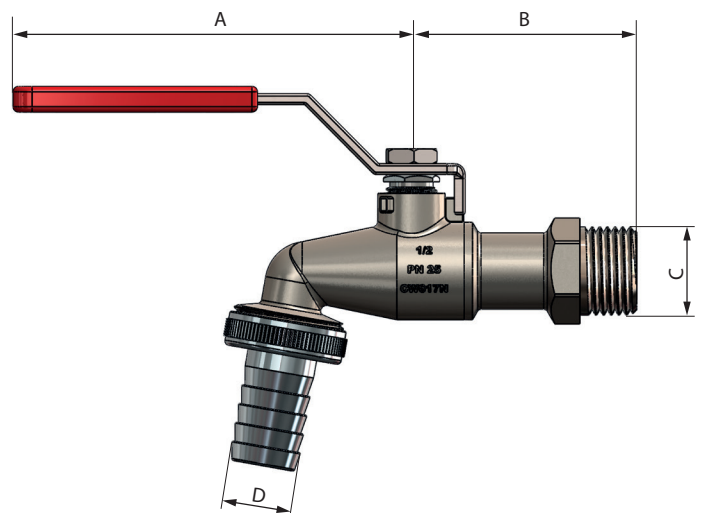
G. ISO 228 thread



SENA NPT tap. Lever handle

Size	A	B	C	D
1/2M NPT x 3/4 Ø15	95	54	1/2 NPT	G3/4xØ15
3/4 M NPT x 1 Ø20	95	58	3/4 NPT	G1 x Ø20
1M NPT x 1 1/4 Ø25	95	66	1 NPT	G1 1/4 x Ø25

NPT inlet thread
Nozzle connection ISO 228 thread

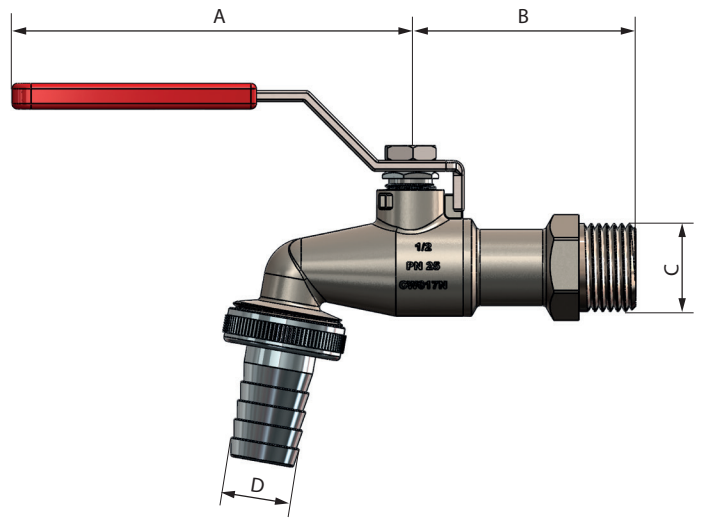




DIMENSIONS

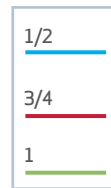
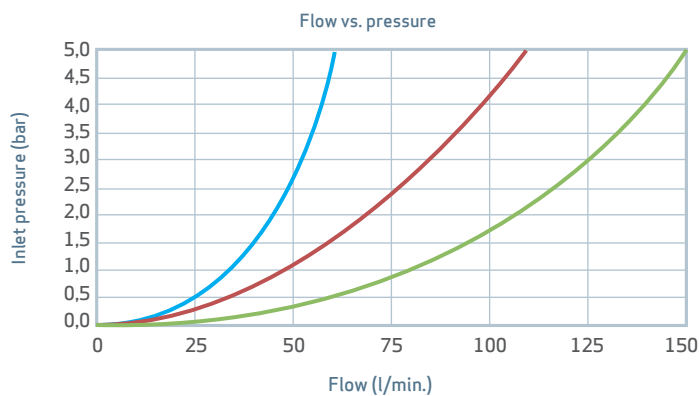
NILE tap. Lever handle

Size	A	B	C	D
1/2M x 3/4 Ø15	70	47	G1/2	G3/4xØ15



HYDRAULIC FEATURES

Hydraulic features according to European norm EN 1267.



INSTALLATION AND ASSEMBLY

Hold the valve from the end of connection, never from the central part or the neck of the valve in order to avoid internal components deformation, the valve could be damaged inevitably.

The maximum lifespan of the tap is obtained with the spherical closure in full open or closed position, it is recommended to not operate in intermediate positions for long time periods.

Valves should be maneuvered every 3 months. This frequency should be increased for water with french hardness over 50°

