drain valve

TECNICAL SHEET 02/2015 | IP22020

SCOPE

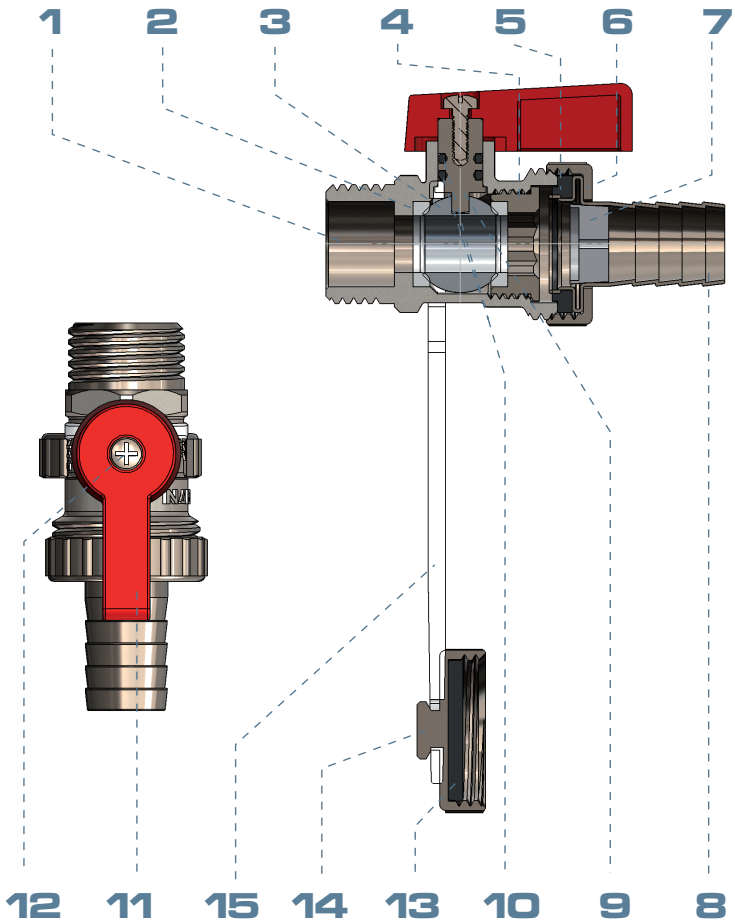
Drain valve series are manually operated metallic ball valves, by its design and raw materials are intended to be used in heating systems. In general all those application where it's required a valve to stop the fluid supply, assuring the leaktightness.

SERVICE CONDITIONS

Nominal pressure:	10 bar
Test pressure:	15 bar
Temperature range:	0°C up to 120°C
Fluid:	Cold and hot water

COMPONENTS

Item	Componente	Material	Tratamiento
1	Body	European Brass CW617N	Nickel plated
2	Seat	PTFE	
3	Ball	Brass	Chrome plated
4	Nut	European Brass CW614N	Nickel plated
5	Gasket	EPDM	
6	Nut	Brass	Nickel plated
7	Aerator	PE	
8	Nozzle	Brass	Nickel plated
9	Stem	European Brass CW617N	Nickel plated
10	O-ring	EPDM	
11	Handle	Metal	Red epoxy
12	Srew	A3	Nickel plated
13	Gasket	EPDM	
14	Cap	Brass	Nickel plated
15	Wrap	PVC	



MAIN CONSTUCTIVE **FEATURES**

BODY AND LATERAL

Body manufactured in European brass alloy CW617N, by the mean of a hot stamping process. Hot stamping process and the European brass alloy bring the following advantages against casting parts:

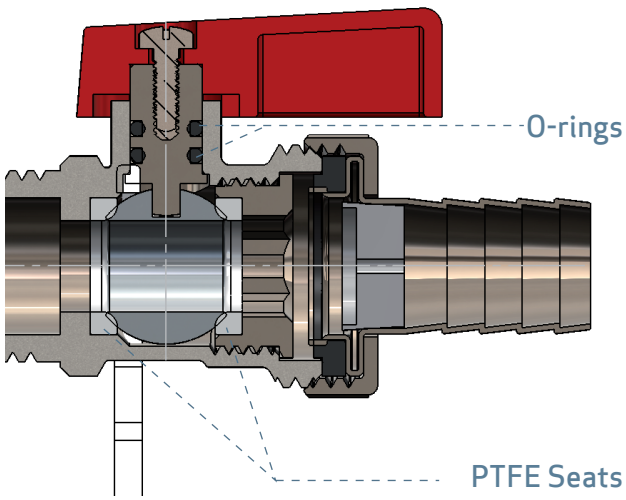
Pores absence.
Surfaces with better finished and without bumpy texture.
Higher mechanical endurance

INTERNAL leaktightness

Internal leaktightness (spherical closure in close position) is guaranteed in both directions by the mean of two PTFE seats that press against the spherical closure.

EXTERNAL leaktightness

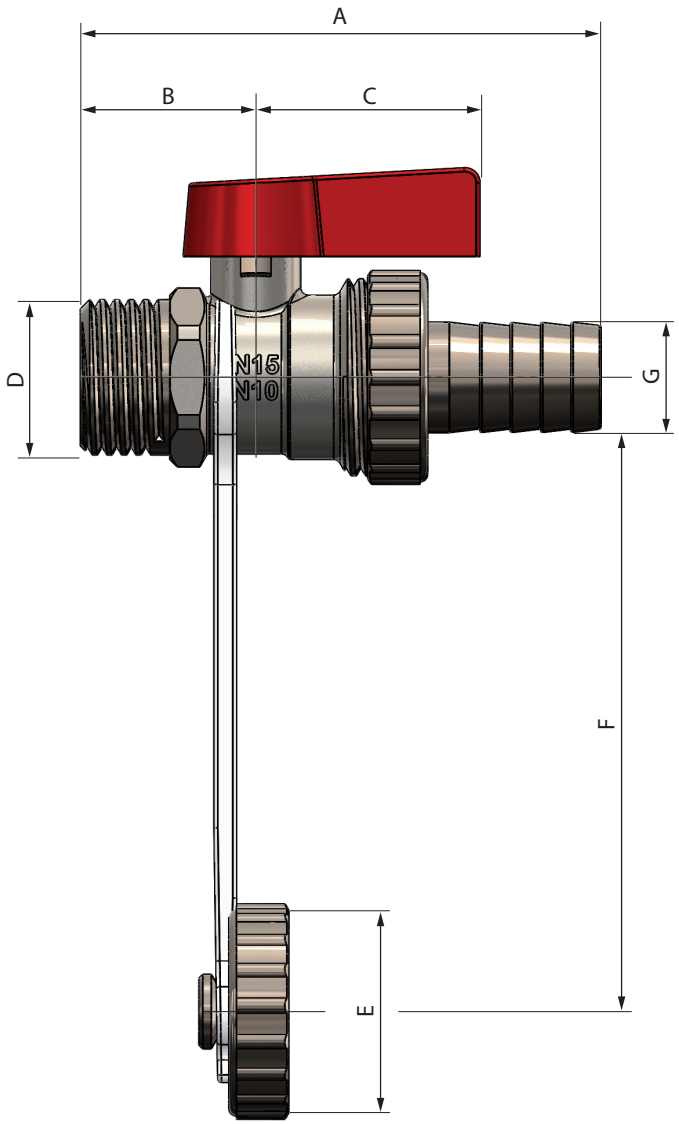
External leaktightness (spherical closure in intermediate position, semi-open) is guaranteed in the maneuver area by the mean of two EPDM O-ring that press against the body and the stem. Its stem´s design avoid any disassemble and tampering.



DIMENSIONS

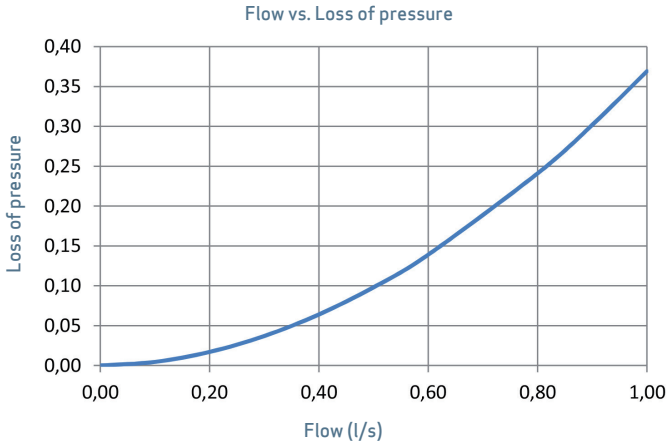
Size	A	B	C	D	E	F	G
DN15	70	24	30	G 1/2	G 3/4	85	15

Threads 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 damage inevitably).

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

Valve must be maneuver every 3 months, this frequencies 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.