



SENA NPT BALL VALVES

Quarter-turn ball valves for plumbing installations where the connection is made by threading.

- Lever and nut control in stainless steel, better resistance to corrosion.
- Without reducing flow.
- Strong construction and safe installations
- 100% valves are tested for inner leakage.
- European Brass, DW (4MS) quality for use in drinking water installations.



DATA SHEET SENA NPT BALL VALVES

PRODUCT SCOPE

Manually operated ball valves. They are connected to the pipeline mainly by thread.

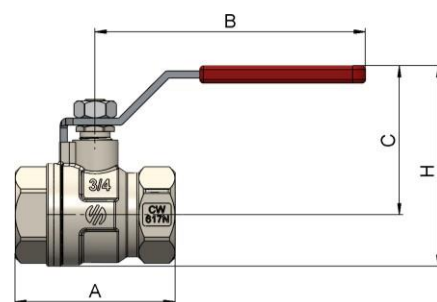
PRODUCT USES

Specially designed for heating, DHW or mixed installations, as well as distribution networks and drinking water connections.

And in general, all those applications that require a valve capable of cutting off the supply of a fluid, guaranteeing tightness in accordance with the specified service conditions.

GENERAL DIMENSIONS, PRESSURE & TEMPERATURE

Code	Measure	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. range (°C)(°F)
750301	1/4" F-F	41	70	37	49	30	-20 to 120
750302	3/8" F-F	41	70	37	49	30	-20 to 120
750303	1/2" F-F	48	95	48	63	30	-20 to 120
750304	3/4" F-F	56	95	53	70	30	-20 to 120
750305	1" F-F	64	113	61	81	30	-20 to 120
750306	1 1/4" F-F	75	113	64	91	30	-20 to 120
750307	1 1/2" F-F	87	153	72	103	30	-20 to 120
750308	2" F-F	103	153	78	118	30	-20 to 120
750309	2 1/2" F-F	133	173	90	142	30	-20 to 120
750310	3" F-F	152	236	110	167	30	-20 to 120
750311	4" F-F	176	236	121	190	30	-20 to 120



Conformal thread ASME B1.20.1

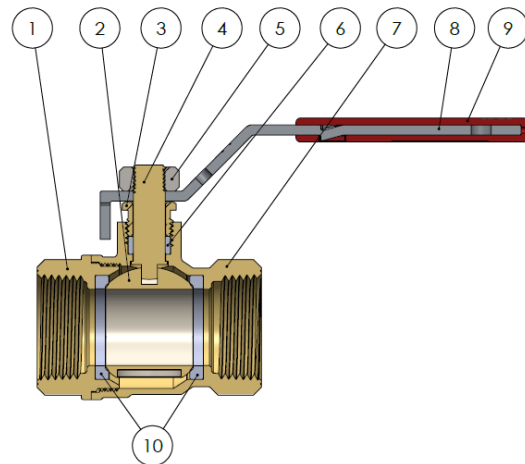
Temperature range: -20°C to 120°C (excluding freezing) equivalent to -4°F to 250°F.

Nominal Pressure (PN) 30bar equivalent to 260 PSI.



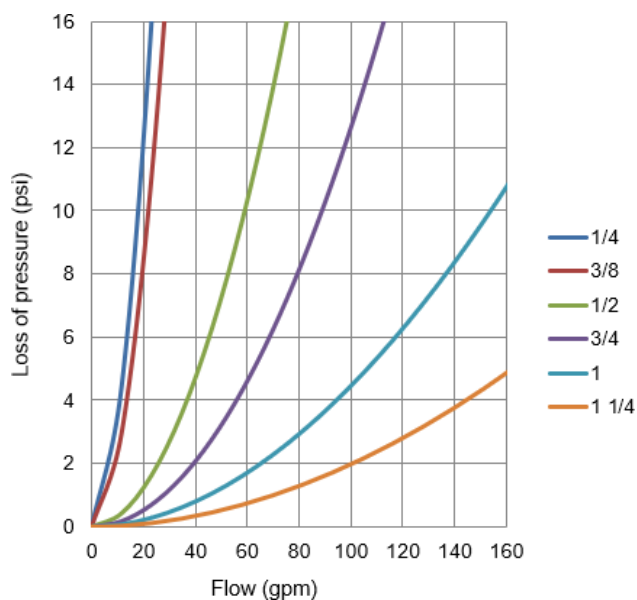
MATERIALS

Item	Components	Materials	Finishing
1	Lateral	CW617N Brass	Outer nickel-plated Nickel-free inner
2	Ball	CW617N Brass	Chrome
3	Gland Nut	CW617N Brass	Nickel plated
4	Stem	CW617N Brass	Brass colour
5	Nut	Stainless Steel	Stainless steel
6	Gland	PTFE	-
7	Body	Brass CW617N	Outer nickel-plated Nickel-free inner
8	Handle	Stainless Steel	Stainless steel
9	Cover	LPDE	Red
10	Seat	PTFE	-

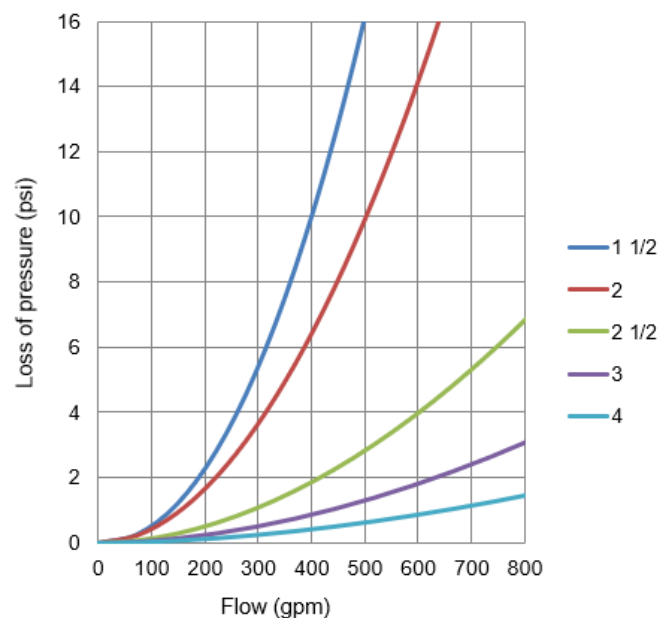


TECHNICAL DATA

Hydraulic Features. Flow vs Loss of Pressure
Straight models from 1/4 to 1 1/4



Hydraulic Features. Flow vs Loss of Pressure
Straight models from 1 1/2 to 4

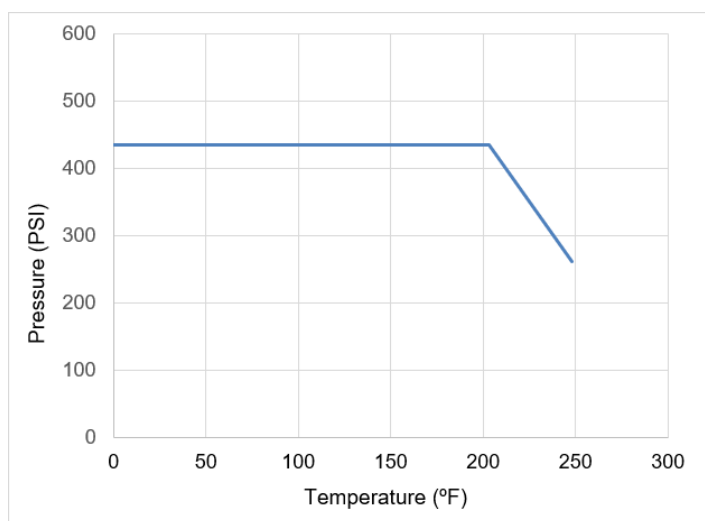


Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Cv	5,8	7,0	18,8	28,2	50,0	74,0	125,0	160,0	314,0	492,0	762,0

Cv (gpm), gallons per minute passing through the valve generating a pressure drop of 1 psi of pressure.



Pressure vs temperature.



Fluid Compatibility

Fluid	Compatibility
Drinking water and domestic hot water	Excellent
Water + 50% Glycol (maximum)	Good

Other fluids, contact our technical service.

INSTALLATION INSTRUCTIONS

Before taking any action, the water supply in the installation must be cut off, make sure that there is no dirt or foreign element in the connection to the network. Apply the appropriate sealing material to the threads. The installation of the valve should be done with a suitable tool, preferably with a fixed, English or similar wrench; Hold it by the ends acting on the flat faces, avoid deforming this area due to excess pressure from the tool. Restore the water supply and check the tightness of all connections before leaving the valve in service.

You should not alter the assembly of the internal components of the valve, It may lead to external leakage.

The maximum life of the ball valves is obtained in the fully open or closed positions, It is recommended not to permanently use the valve in intermediate positions.



Every product has an environmental impact during its life cycle, even after it has been removed from use. All components of this product can be recycled, deposit the valve at a recycling point or green point once it is finished use. Valves Arco reserves the right to change the product or its technical specifications without prior notice.

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