TURIA NPT VALVE

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

- European Brass, DW (4MS) quality for use in drinking water installations.
- 100% valves are tested for inner leakage.
- Without reducing flow.
- Strong construction and safe installations.
- Lever handle with Black Epoxy protection.

made in spain original | 4MS CW617N | PN 40 BAR | -20°C/140°C | 1/4 | METAL HANDLE

TECHNICAL SHEET TURIA NPT VALVE

PRODUCT DESCRIPTION

Quarter-turn ball valves with manual operation. They have connections male female and loose nut to pipe by threaded unión.

PRODUCT SCOPE

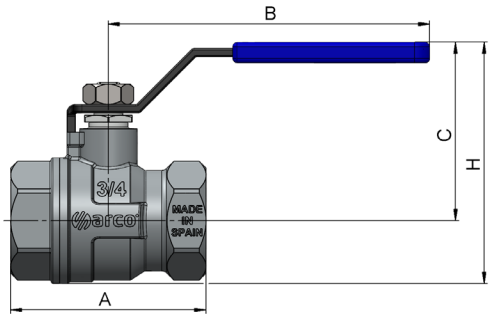
Specially designed for heating, DHW or mixed installations, as well as distribution networks and drinking water connections.

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

GENERAL DIMENSIONS, PRESSURE AND TEMPERATURE

FEMALE - FEMALE LEVER BLUE COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN	Temp.*
01205NB	1/2” F-F	48	95	48	63	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01207NB	3/4” F-F	58	95	53	71	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01209NB	1” F-F	67	113	61	83	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01211NB	1 1/4” F-F	78	113	66	93	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01213NB	1 1/2” F-F	93	153	73	108	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01214NB	2” F-F	107	153	81	123	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01215NB	2 1/2” F-F	137	173	90	142	580 psi 40 bar	0 to 280ºF -20 to 140ºC

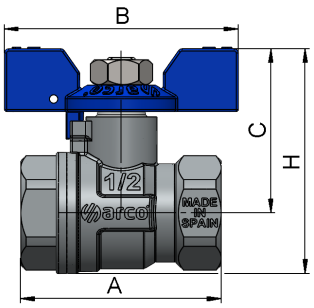


Threading according to ASME B1.20.1
* Freezing is excluded.

FEMALE - FEMALE BLUE BUTTERFLY

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN	Temp.*
01206NB	1/2” F-F	48	56	39	54	580 psi 40 bar	0 to 280ºF -20 to 140ºC

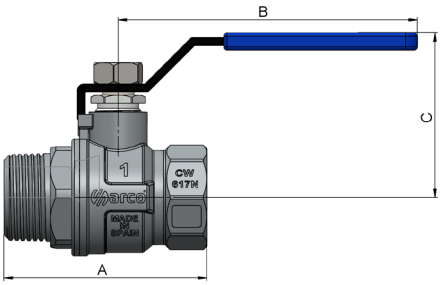
Threading according to ASME B1.20.1
* Freezing is excluded.



MALE - FEMALE LEVER BLUE COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN	Temp.*
01127NB	1/2” M-F	61	95	48	63	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01129NB	3/4” M-F	71	95	53	71	580 psi 40 bar	0 to 280ºF -20 to 140ºC
01131NB	1” M-F	77	113	61	83	580 psi 40 bar	0 to 280ºF -20 to 140ºC

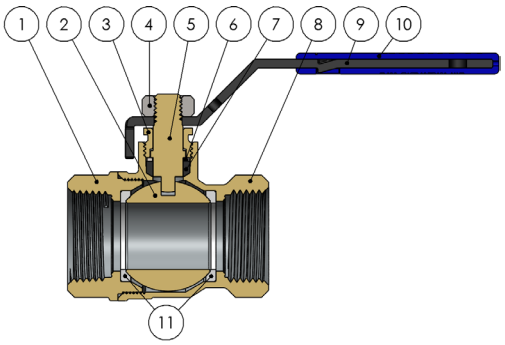
Threading according to ASME B1.20.1
* Freezing is excluded.



MATERIALS

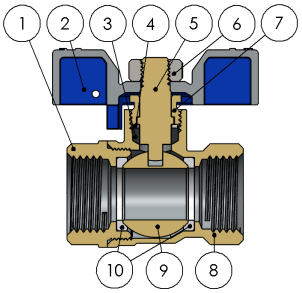
MODELS FEMALE - FEMALE LEVER BLUE COVER

Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Ball	Brass CW614N	Chrome plated
3	Gland nut	Brass CW614N	Zinc plated
4	Nut	Steel	Geomet® 500
5	Stem	Brass CW614N	Zinc plated
6	Washer	Brass CW614N	Brass color
7	Gland	PTFE	-
8	Body	Brass CW617N	Chrome plated
9	Handle	Steel	Black EPOXY
10	Cover	PE	Blue
11	Seat	PTFE	-



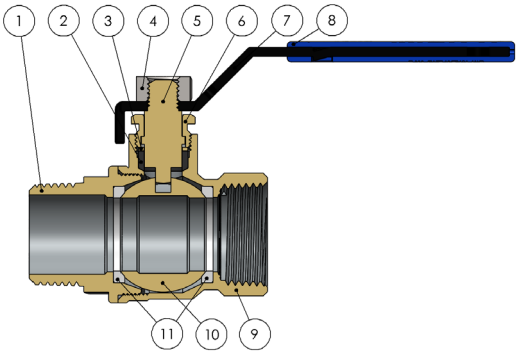
MODELS FEMALE - FEMALE BLUE BUTTERFLY

Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Butterfly	ZAMAK	Blue EPOXY
3	Gland	PTFE	-
4	Washer	Brass CW614N	Brass color
5	Stem	Brass CW614N	Zinc plated
6	Nut	Steel	Geomet® 500
7	Gland nut	Brass CW614N	Zinc plated
8	Body	Brass CW617N	Chrome plated
9	Ball	Brass CW614N	Chrome plated
10	Seat	PTFE	-



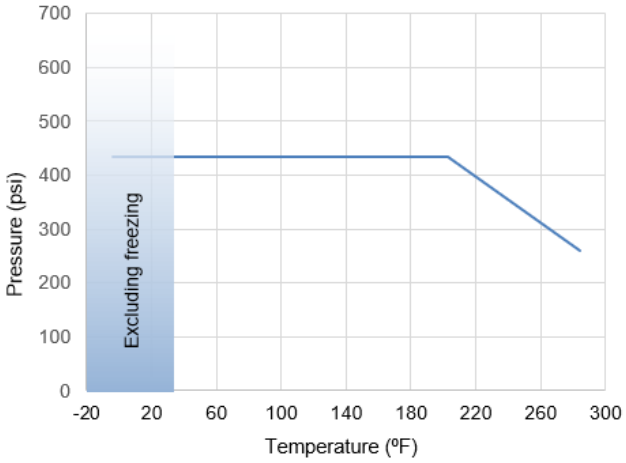
MODELS MALE - FEMALE LEVER BLUE COVER

Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Gland	PTFE	-
3	Washer	Brass CW614N	Brass color
4	Nut	Steel	Geomet® 500
5	Stem	Brass CW614N	Zinc plated
6	Gland nut	Brass CW614N	Zinc plated
7	Handle	Steel	Black EPOXY
8	Cover	PE	Blue
9	Lateral	Brass CW617N	Chrome plated
10	Ball	Brass CW614N	Chrome plated
11	Seat	PTFE	-



TECHNICAL DATA

Pressure vs. temperature.

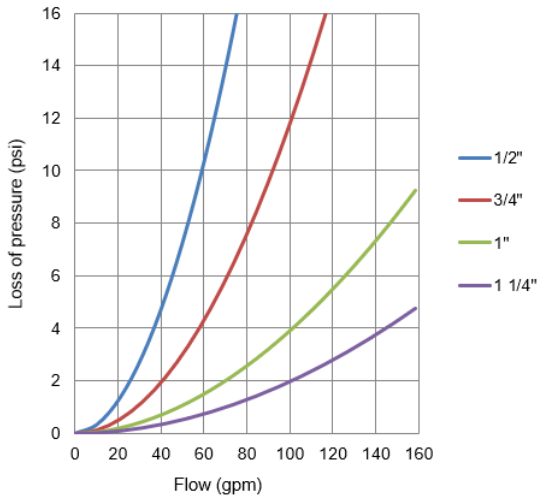


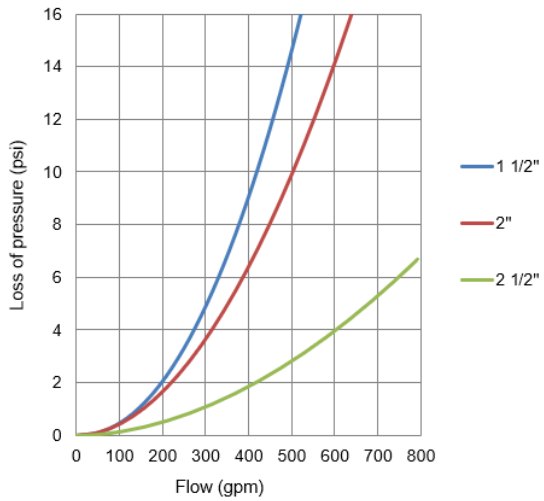
Compatibility with fluids

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

For any other fluid, please contact Arco technical service.

Hydraulic features. Flow vs. loss of pressure.





Size	1/2''	3/4''	1''	1 1/4''	1 1/2''	2''	2 1/2''
Cv	18.8	29.2	53.0	74.3	131.0	159.7	314.4

Cv (gpm), gallons per minute that flow through the valve generating a loss of 1 bar pressure.

INSTALLATION AND OPERATION INSTRUCTIONS

Before performing any action, the water supply to the installation should be shut off. Make sure there is no dirt or foreign objects in the connection to the network. Apply the appropriate sealing material to the inlet thread of the valve. The valve should be installed with a suitable tool, preferably with a wrench to hold the body. The tool should act on the flat surfaces of the valve body to avoid deforming this area due to excessive pressure from the tool. Restore the water supply and check the tightness of all connections before fixing the valve to service.

Do not alter the assembly of the valve components; replacement or disassembly of the handle may cause external leaks. Quarter-turn valves should always operate in a fully open position.

All products have an environmental impact during its life cycle, even once retired. All the components of this product can be recycled. Once the use is over, leave the valve in any recycling green point. Válvulas Arco reserves the right to change the product or any of its technical specifications without prior notice.

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