



TAJO 2000 GENERAL MODELS VALVE

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

- 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.
- Maximum thread length for demanding installations.
- Models with connections for welding to copper pipes.



TECHNICAL SHEET TAJO 2000 GENERAL MODELS VALVE

PRODUCT DESCRIPTION

Quarter-turn ball valves with manual operation. They are connected to the pipe by means of threaded ends or by welding for copper pipes.

PRODUCT SCOPE

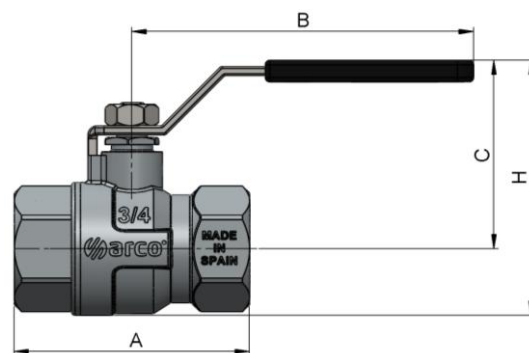
Specially designed for heating, DHW or mixed installations, as well as distribution networks and drinking water connections.

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 BLACK COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
00003	1/4 F-F	44	70	40	51	50	-20 to 140
00004	3/8 F-F	44	70	40	51	50	-20 to 140
00005	1/2 F-F	60	95	48	63	50	-20 to 140
00006	3/4 F-F	66	95	53	71	50	-20 to 140
00007	1 F-F	80	113	61	83	50	-20 to 140
00008	1 1/4 F-F	89	113	66	93	50	-20 to 140
00009	1 1/2 F-F	108	153	73	108	50	-20 to 140
00010	2 F-F	126	153	81	123	50	-20 to 140
00011	2 1/2 F-F	150	173	90	142	50	-20 to 140
01109	3 F-F	164	236	111	177	30	-20 to 140
01110	4 F-F	186	236	121	198	30	-20 to 140



Threading according to ISO228

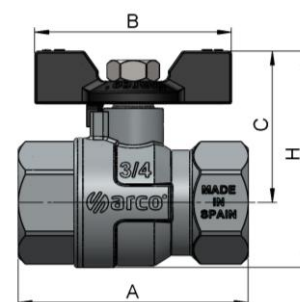
* Freezing is excluded.


FEMALE - FEMALE BLACK BUTTERFLY

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
01111	1/4" F-F	44	56	37	49	50	-20 to 140
01112	3/8" F-F	44	56	37	49	50	-20 to 140
01113	1/2" F-F	60	56	39	54	50	-20 to 140
01114	3/4" F-F	66	56	43	62	50	-20 to 140
01115	1" F-F	80	80	51	73	50	-20 to 140

Threading according to ISO228

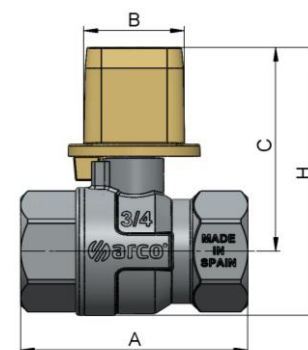
* Freezing is excluded.


FEMALE - FEMALE SQUARE

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
01116	1/2 F-F	60	30	56	70	50	-20 to 140
01117	3/4 F-F	66	30	59	78	50	-20 to 140
01118	1 F-F	80	30	66	88	50	-20 to 140
01119	1 1/4 F-F	89	30	72	99	50	-20 to 140
01120	1 1/2 F-F	108	30	85	119	50	-20 to 140
01121	2 F-F	126	30	93	135	50	-20 to 140
01122	2 1/2 F-F	150	30	102	154	50	-20 to 140

Threading according to ISO228

* Freezing is excluded.

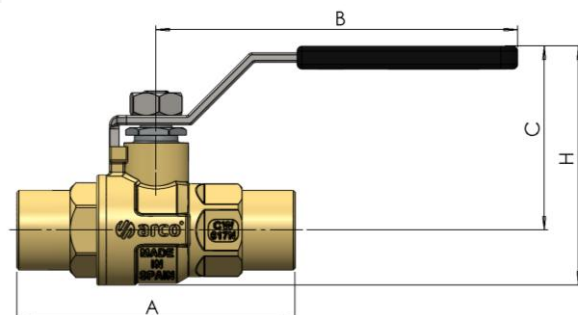




WELD LEVER BLACK COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
00260	12	73	95	48	63	50	-20 to 140
00262	15	73	95	48	63	50	-20 to 140
00264	18	73	95	48	63	50	-20 to 140
00265	22	85	95	53	71	50	-20 to 140
00266	28	98	113	61	83	50	-20 to 140
00267	35	115	113	66	93	50	-20 to 140
00268	42	116	153	73	108	50	-20 to 140
00269	54	140	153	81	123	50	-20 to 140

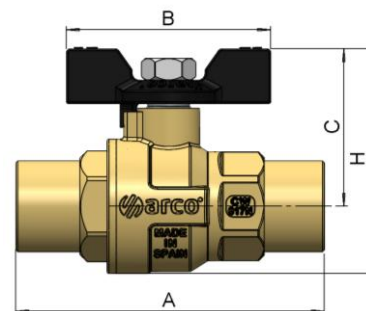
* Freezing is excluded.



WELD BLACK BUTTERFLY

Código	Medida	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
00239	15	73	56	39	54	50	-20 to 140
00243	18	73	56	39	54	50	-20 to 140
00245	22	85	56	43	62	50	-20 to 140
00247	28	98	80	51	73	50	-20 to 140

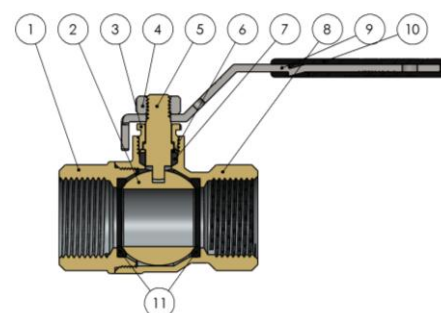
* Freezing is excluded.



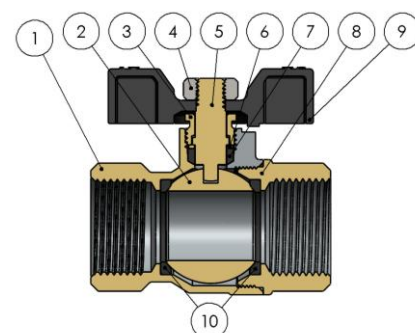


MATERIALS

Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Ball	Brass CW617N	Chrome plated
3	Gland nut	Brass CW614N	Zinc plated
4	Nut	Stainless steel	Stainless steel
5	Stem	Brass CW614N	Zinc plated
6	Washer	Brass CW614N	Brass color
7	Gland	PTFE	-
8	Body	Brass CW617N	Chrome plated
9	Lever	Stainless steel	Stainless steel
10	Cover	LPDE	Black
11	Seat	PTFE	-

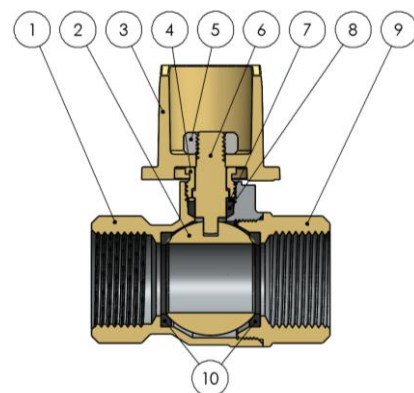


Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Ball	Brass CW617N	Chrome plated
3	Gland nut	BrassCW614N	Zinc plated
4	Nut	Stainless steel	Stainless steel
5	Stem	Brass CW614N	Zinc plated
6	Washer	Brass CW614N	Brass color
7	Gland	PTFE	-
8	Body	Brass CW617N	Chrome plated
9	Butterfly	ZAMAK	Black
10	Seat	PTFE	-

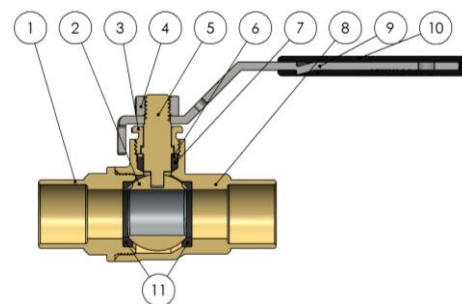




Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Ball	Brass CW617N	Chrome plated
3	Square	Brass CW617N	Brass color
4	Gland nut	Brass CW614N	Chrome plated
5	Stem	Brass CW614N	Zinc plated
6	Nut	Stainless steel	Stainless steel
7	Washer	Brass CW614N	Brass color
8	Gland	PTFE	-
9	Lateral	Brass CW617N	Chrome plated
10	Seat	PTFE	-

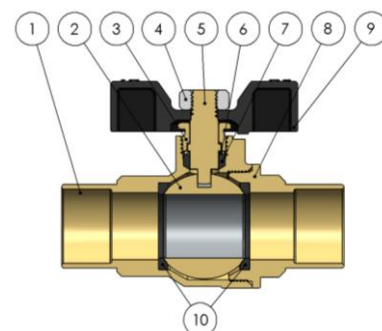


Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Brass color
2	Ball	Brass CW617N	Chrome plated
3	Gland nut	Brass CW614N	Zinc plated
4	Nut	Stainless steel	Stainless steel
5	Stem	Brass CW614N	Zinc plated
6	Washer	Brass CW614N	Brass color
7	Gland	PTFE	-
8	Body	Brass CW617N	Brass color
9	Lever	Stainless steel	Stainless steel
10	Cover	LPDE	Black
11	Seat	PTFE	-





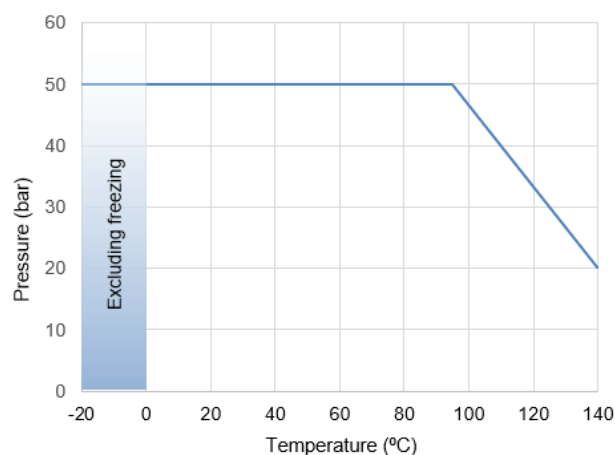
Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Brass color
2	Ball	Brass CW617N	Chrome plated
3	Gland nut	Brass CW614N	Zinc plated
4	Nut	Stainless steel	Stainless steel
5	Stem	Brass CW614N	Zinc plated
6	Washer	Brass CW614N	Brass color
7	Gland	PTFE	-
8	Body	Brass CW617N	Brass color
9	Butterfly	ZAMAK	Black
10	Seat	PTFE	-



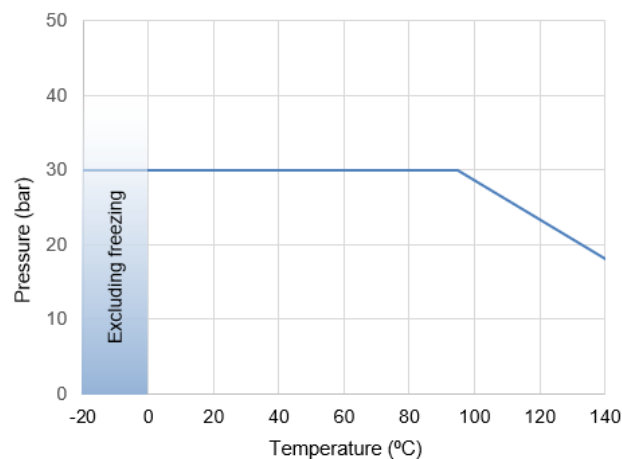
TECHNICAL DATA

Pressure vs. temperature

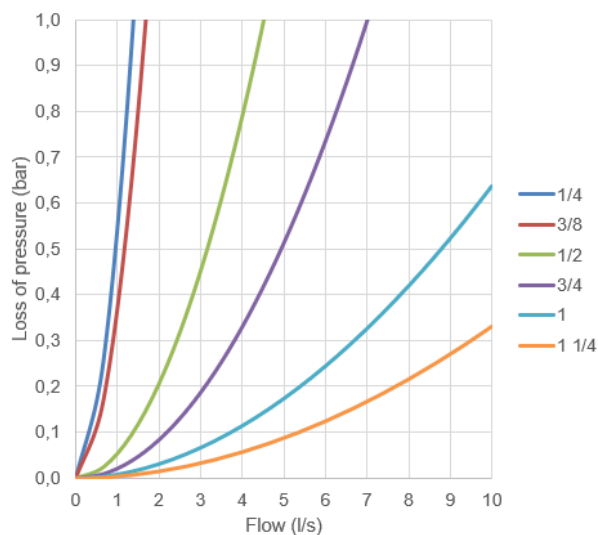
From 1/4 to 2 1/2



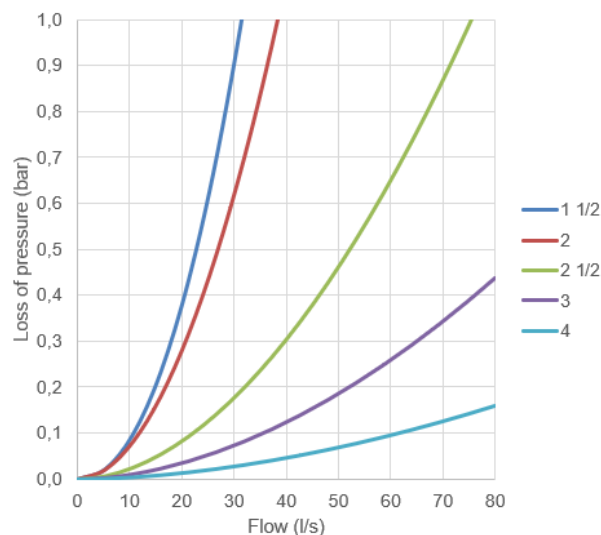
From 3 to 4



Hydraulic features. Flow vs. loss of pressure Models from 1/4 to 1 1/4



Hydraulic features. Flow vs. loss of pressure Models from 1 1/2 to 4





Threading Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Welding Size	--	--	12,15,18	22	28	35	42	54	--	--	--
Kv	5,0	6,1	16,3	25,3	45,8	64,3	113,3	138,2	272,0	454,3	810,2

Kv (m³/h), cubic meters per hour that flow through the valve generating a loss of 1 bar pressure.

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.

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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