



TURIA 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.



TECHNICAL SHEET TURIA VALVE

PRODUCT DESCRIPTION

Quarter-turn ball valves with manual operation. Various types of threading ends are available: female-female, male-female, male-male, male-loose nut, female-manifold coupling.

PRODUCT SCOPE

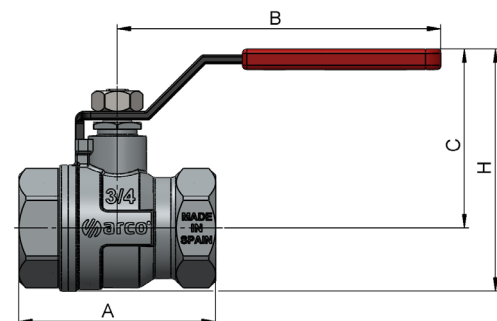
Specially designed for heating, DHW or mixed installations, as well as distribution networks and drinking water connections.

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 RED COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0120008	1/4 F-F	44	70	40	51	40	-20 to 140
0120308	3/8 F-F	44	70	40	51	40	-20 to 140
0120508	1/2 F-F	48	95	48	63	40	-20 to 140
0120708	3/4 F-F	58	95	53	71	40	-20 to 140
0120908	1 F-F	67	113	61	83	40	-20 to 140
0121108	1 1/4 F-F	78	113	66	93	40	-20 to 140
0121308	1 1/2 F-F	93	153	73	108	40	-20 to 140
0121408	2 F-F	107	153	81	123	40	-20 to 140
0121508	2 1/2 F-F	137	173	90	142	40	-20 to 140

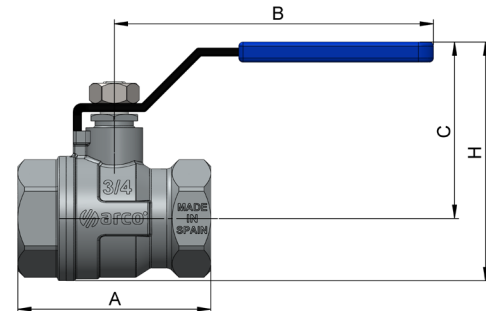


Threading according to ISO228

* Freezing is excluded.


FEMALE - FEMALE LEVER BLUE COVER

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
B120308	1/4 F-F	44	70	40	51	40	-20 to 140
B120408	3/8 F-F	44	70	40	51	40	-20 to 140
B120508	1/2 F-F	48	95	48	63	40	-20 to 140
B120708	3/4 F-F	58	95	53	71	40	-20 to 140
B120908	1 F-F	67	113	61	83	40	-20 to 140
B121108	1 1/4 F-F	78	113	66	93	40	-20 to 140
B121308	1 1/2 F-F	93	153	73	108	40	-20 to 140
B121408	2 F-F	107	153	81	123	40	-20 to 140
B121508	2 1/2 F-F	137	173	90	142	40	-20 to 140

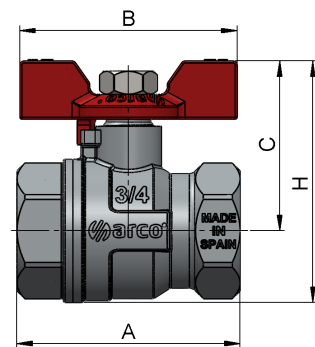


Threading according to ISO228

* Freezing is excluded.

FEMALE - FEMALE RED BUTTERFLY

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0120108	1/4 F-F	44	56	37	49	40	-20 to 140
0120408	3/8 F-F	44	56	37	49	40	-20 to 140
0120608	1/2 F-F	48	56	39	54	40	-20 to 140
0120808	3/4 F-F	58	56	43	62	40	-20 to 140
0121008	1 F-F	67	80	51	73	40	-20 to 140

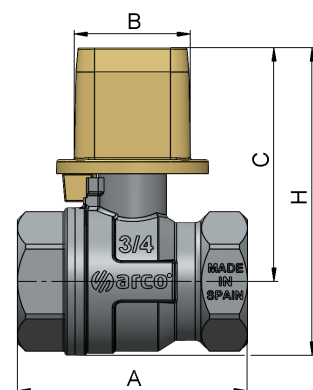


Threading according to ISO228

* Freezing is excluded.

FEMALE - FEMALE SQUARE HANDLE

Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
C30113	1/2 F-F	48	30	56	69	40	-20 to 140
C30114	3/4 F-F	58	30	59	77	40	-20 to 140
C30115	1 F-F	67	30	66	92	40	-20 to 140
C30116	1 1/4 F-F	78	30	72	103	40	-20 to 140
C30107	1 1/2 F-F	93	30	85	119	40	-20 to 140
C30108	2 F-F	107	30	93	134	40	-20 to 140
C30109	2 1/2 F-F	137	30	102	152	40	-20 to 140



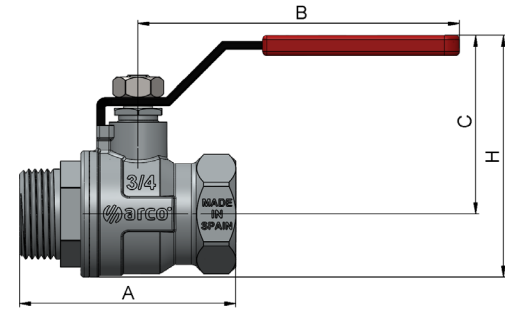
Threading according to ISO228

* Freezing is excluded.


MALE - FEMALE LEVER RED COVER

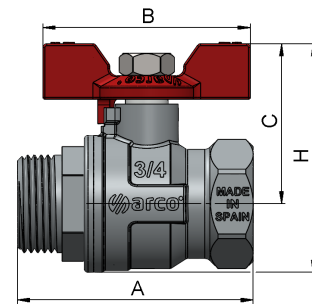
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0112308	1/4 M-F	49	70	40	51	40	-20 to 140
0112508	3/8 M-F	49	70	40	51	40	-20 to 140
0112708	1/2 M-F	55	95	48	63	40	-20 to 140
0112908	3/4 M-F	64	95	53	71	40	-20 to 140
0113108	1 M-F	75	113	61	83	40	-20 to 140

Threading according to ISO228
* Freezing is excluded.


MALE - FEMALE RED BUTTERFLY

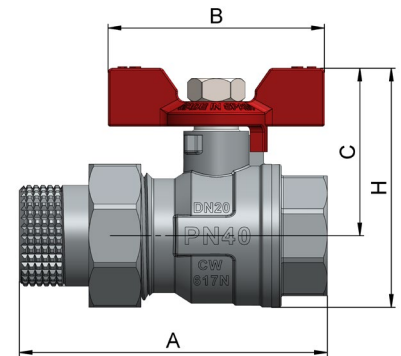
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0112408	1/4 M-F	49	56	37	49	40	-20 to 140
0112608	3/8 M-F	49	56	37	49	40	-20 to 140
0112808	1/2 M-F	55	56	39	54	40	-20 to 140
0113008	3/4 M-F	64	56	43	62	40	-20 to 140
0113208	1 M-F	75	80	51	73	40	-20 to 140

Threading according to ISO228
* Freezing is excluded.


STRAIGHT MANIFOLD RED BUTTERFLY

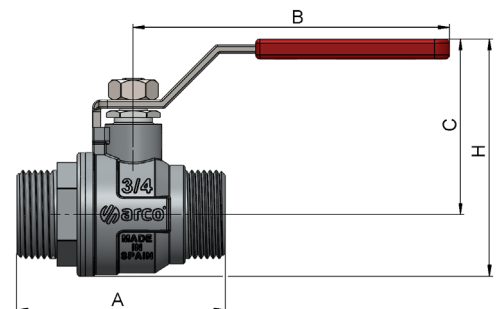
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0117208	1/2 F-M	68	56	39	54	40	-20 to 140
0117408	3/4 F-M	80	56	43	62	40	-20 to 140
0117608	1 F-M	95	80	51	73	40	-20 to 140

Threading according to ISO228
* Freezing is excluded.


MALE - MALE LEVER RED COVER

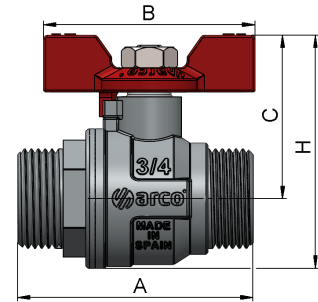
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0113508	3/8 M-M	49	70	40	51	40	-20 to 140
0113708	1/2 M-M	54	95	48	63	40	-20 to 140
0113908	3/4 M-M	62	95	53	71	40	-20 to 140
0114108	1 M-M	75	113	61	83	40	-20 to 140

Threading according to ISO228
* Freezing is excluded.




MALE - MALE RED BUTTERFLY

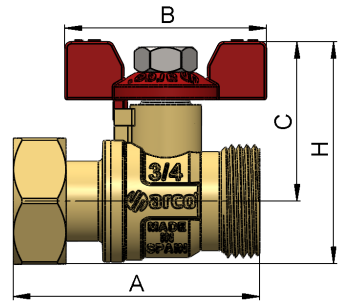
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
0113808	1/2 M-M	54	56	39	54	40	-20 to 140
0114008	3/4 M-M	62	56	43	62	40	-20 to 140
0114208	1 M-M	75	80	51	73	40	-20 to 140



Threading according to ISO228
* Freezing is excluded.

MALE - LOOSE NUT RED BUTTERFLY BRASS COLOR

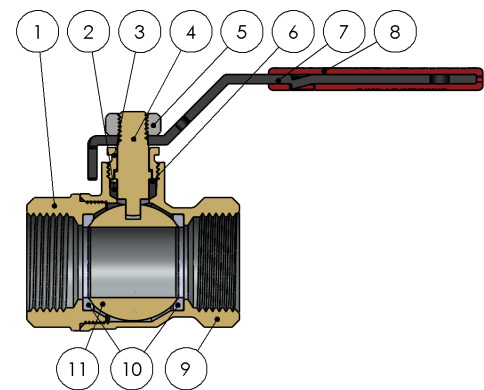
Code	Size	A (mm)	B (mm)	C (mm)	H (mm)	PN (BAR)	Temp. (°C)*
F1174	3/4 M-LN	59	48	38	55	40	-20 to 140



Threading according to ISO228
* Freezing is excluded.

MATERIALS
MODELS FEMALE - FEMALE RED AND BLUE

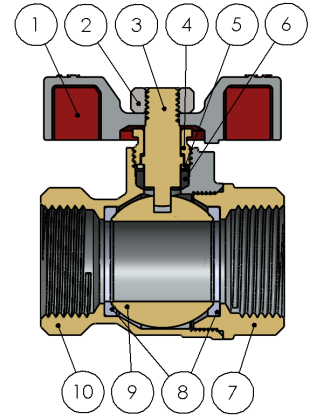
Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Gland	PTFE	-
3	Gland nut	Brass CW614N	Zinc plated
4	Stem	Brass CW614N	Zinc plated
5	Nut	Steel	Geomet® 500
6	Washer	Brass CW614N	Brass colour
7	Handle	Steel	Black EPOXY
8	Cover	PE	Red / Blue*
9	Body	Brass CW617N	Chrome plated
10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



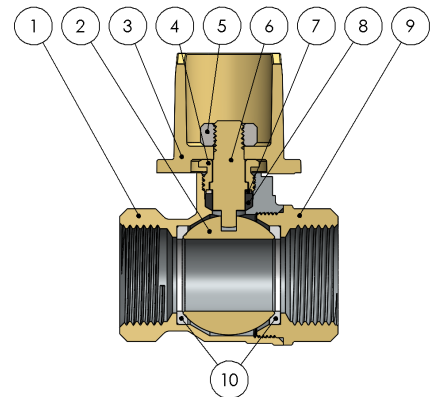
* Variable finishes according to model.


MODELS FEMALE - FEMALE RED BUTTERFLY

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

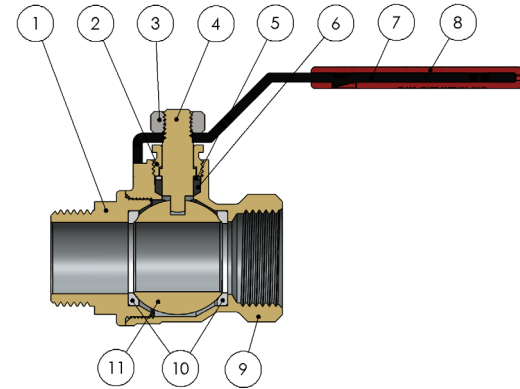

MODELS FEMALE - FEMALE SQUARE HANDLE

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

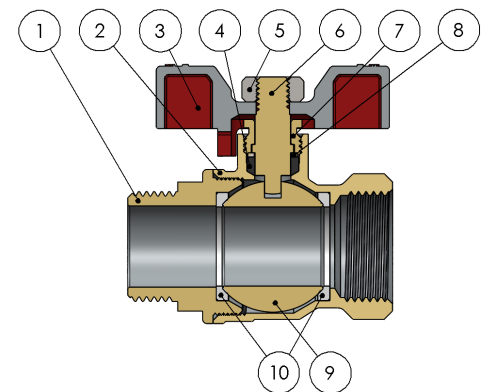



MODELS FEMALE - MALE LEVER RED COVER

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

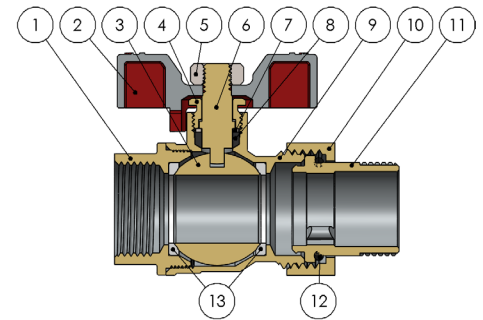

MODELS FEMALE - MALE RED BUTTERFLY

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

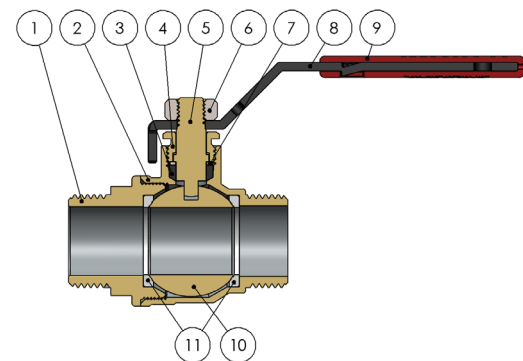



MODELS MANIFOLD RED BUTTERFLY

Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Butterfly	ZAMAK	Red EPOXY
3	Ball	Brass CW614N	Chrome plated
4	Gland nut	Brass CW614N	Zinc plated
5	Nut	Steel	Geomet® 500
6	Stem	Brass CW614N	Zinc plated
7	Washer	Brass CW617N	Brass colour
8	Gland	PTFE	-
9	Body	Brass CW617N	Chrome plated
10	Nut	Brass CW617N	Chrome plated
11	Coupling	Brass CW617N	Chrome plated
12	O-ring	EPDM	-
13	Seat	PTFE	-


MODELS MALE - MALE LEVER RED COVER

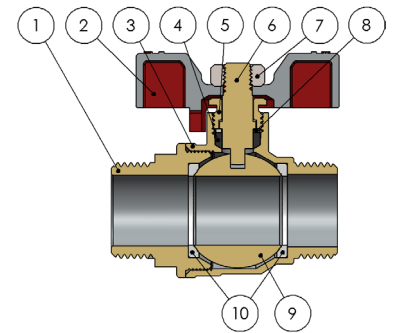
Item	Component	Material	Finishing
1	Lateral	Brass CW617N	Chrome plated
2	Body	Brass CW617N	Chrome plated
3	Gland	PTFE	-
4	Gland nut	Brass CW614N	Zinc plated
5	Stem	Brass CW614N	Zinc plated
6	Nut	Steel	Geomet® 500
7	Washer	Brass CW614N	Brass colour
8	Handle	Steel	Black EPOXY
9	Cover	PE	Red
10	Ball	Brass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





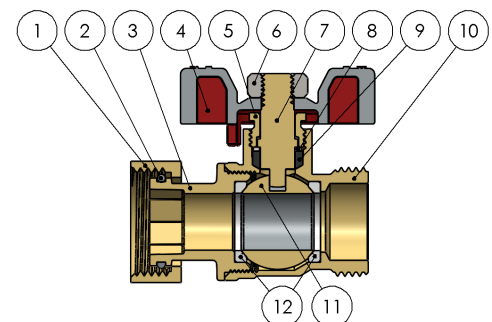
MODELS MALE - MALE RED BUTTERFLY

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



MODELS MALE - LOOSE NUT RED BUTTERFLY BRASS COLOR

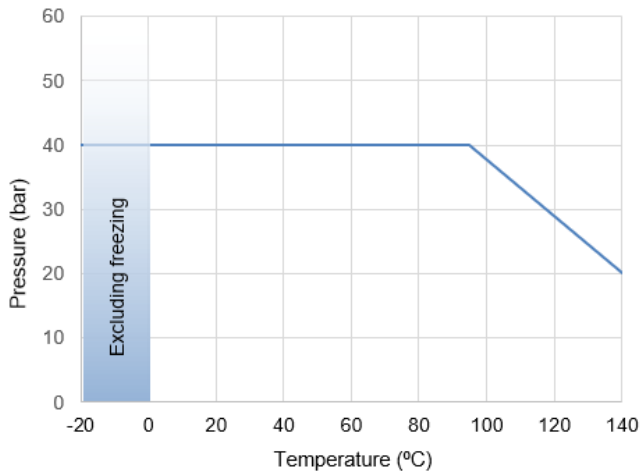
Item	Component	Material	Finishing
1	Lateral nut	Brass CW617N	Brass colour
2	Washer	Stainless steel	Stainless steel
3	Lateral	Brass CW617N	Brass colour
4	Mariposa	ZAMAK	Red EPOXY
5	Gland nut	Brass CW614N	Zinc plated
6	Nut	Steel	Geomet® 500
7	Stem	Brass CW614N	Zinc plated
8	Washer	Brass CW614N	Brass color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





TECHNICAL DATA

Pressure vs. temperature.

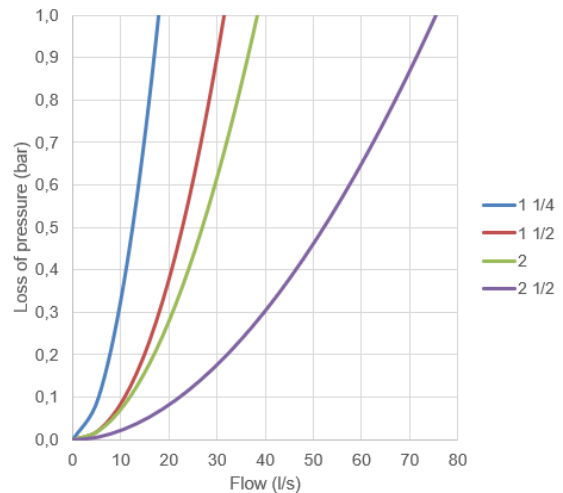
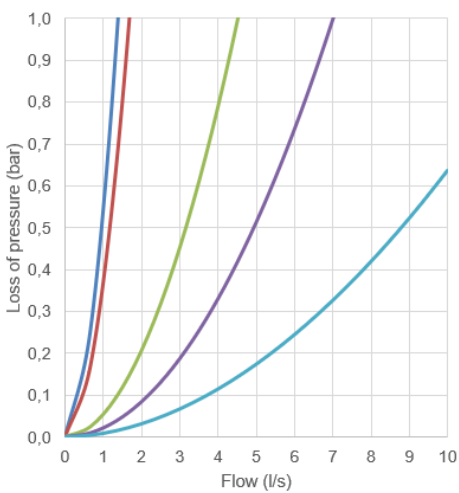


Compatibility with fluids

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	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Kv	5.0	6.1	16.3	25.3	45.8	64.3	113.3	138.2	272.0

Kv (m³/h), cubic meters per hour 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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