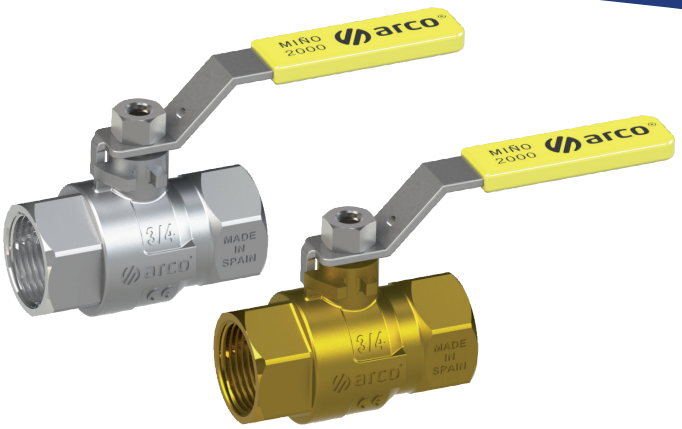
arco®
QUALITY BY TRADITION

miño 2000 valve



TECHNICAL SHEET 06/2015 | IP10010

SCOPE

MIÑO series are manually operated metallic ball valves. The valves can not be dismantle, avoiding tampering of components in contact with gas, and have blockage and sealing systems. MIÑO series are intended to be installed in gas network as in-line valves, its purpose is to open and close the gas flow between two network areas. Its maneuver is performance by a quarter turn.

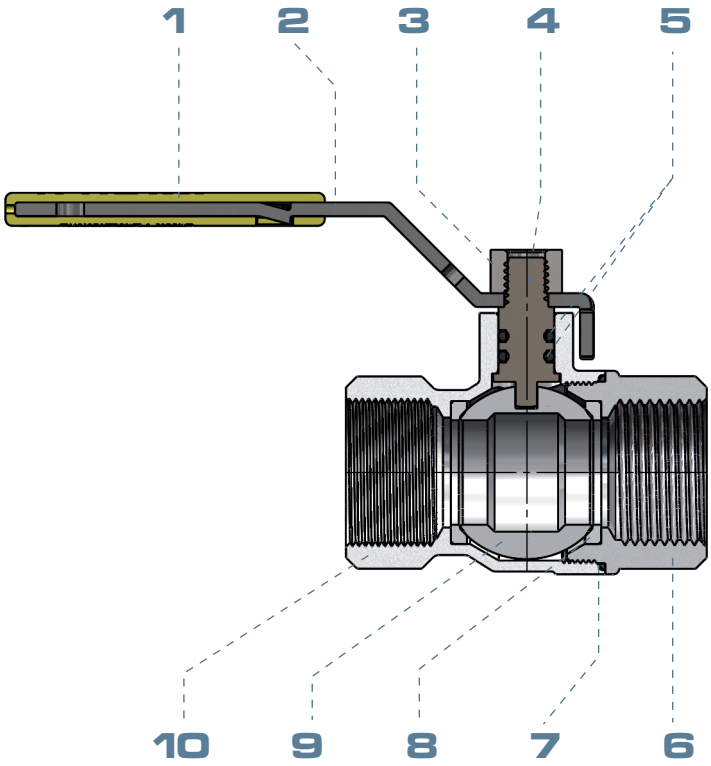
MIÑO valves are designed to be used in domestic and commercial applications, where the valves are not required to be directly buried or embedded, inside or outside the building. MIÑO valves are intended to work with 1st , 2nd and 3rd gases families (according to EN 437)

SERVICE CONDITIONS

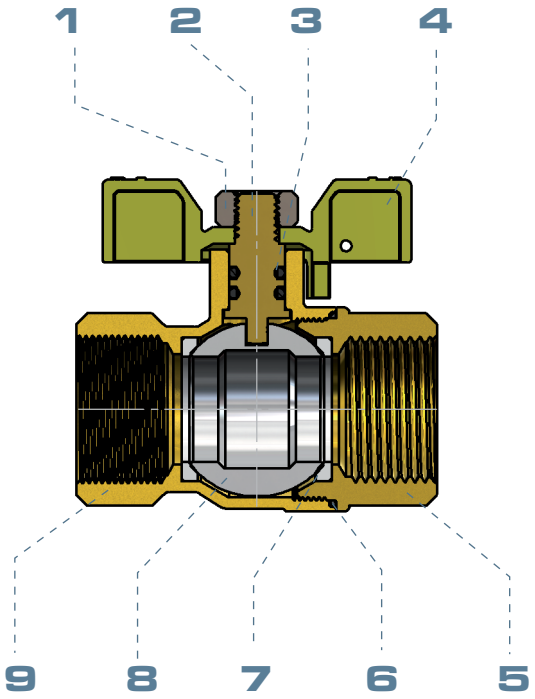
Maximum operating pressure:	MOP 5
Temperature classes:	-40ºC up to 60ºC
Fluid	1st, 2nd y 3rd family gases according to EN 437

COMPONENTS

Item	Component	Material	Treatment
1	Cover	Polyethylene	
2	Lever handle	Steel	Geomet
3	Nut	Steel	Geomet
4	Stem	European Brass CW614N (EN 12164/EN 12165)	Brass color/ Nickel plated
5	O-ring	NBR (EN 549)	
6	Lateral	European Brass CW617N (EN 12164/EN 12165)	Brass color/ Chrome plated
7	O-ring	NBR (EN 549)	
8	Seat	PTFE	
9	Ball	European Brass CW614N/ CW617N (EN 12164/EN 12165)	Cromado
10	Body	European Brass CW617N (EN 12164/EN 12165)	Brass color/ Chrome plated



Item	Component	Material	Treatment
1	Nut	Steel	Geomet
2	Stem	European Brass CW614N (EN 12164/EN 12165)	Brass color/ Nickel plated
3	O-ring	NBR (EN 549)	
4	Handle	Metal	Epoxi coated
5	Lateral	European Brass CW617N (EN 12164/EN 12165)	Brass color/ Chrome plated
6	O-ring	NBR (EN 549)	
7	Seat	PTFE	
8	Ball	European Brass CW614N/ CW617N (EN 12164/EN 12165)	Chrome plated
9	Body	European Brass CW617N (EN 12164/EN 12165)	Brass color/ Chrome plated



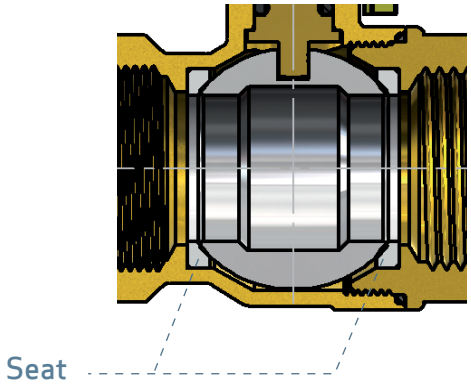
MAIN CONSTUCTIVE **FEATURES**

LEAKTIGHTNESS

Internal

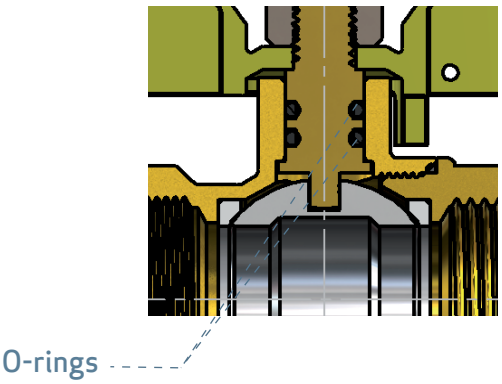
Ball valve leaktightness is guarantee in both directions by the mean of two PTFE seats, which press against the sphere.

Leaktightness has been tested according to EN-331.



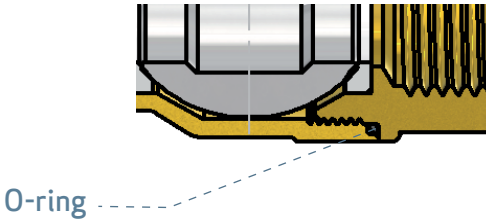
External

External leaktightness in the stem area is guaranteed by the mean of two o-rings directly assembled to the stem. The stem is assembly internally avoiding any external manipulation or disassembly of the stem (tamper-proof system). The double o-ring in the stem ensures an extra against leaks, wearing and ageing.



The leaktightness between body and lateral is reached by mechanical means, adding an o-ring at the joint of both components as additional leaktightness measure.

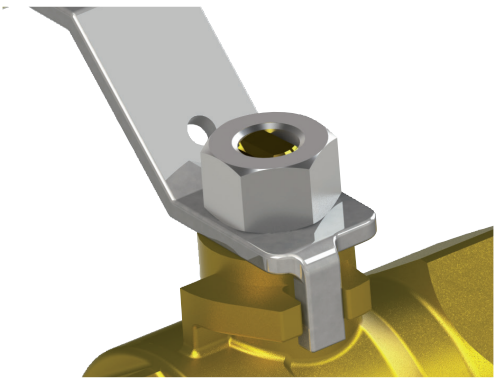
Leaktightness has been tested according to EN-331.



BLOCKAGE

MIÑO series allows the valve blockage in the close position avoiding the gas flow, to its propose the main body has a gap between two stoppers to maintain blocked the handle.

The handle includes a sealing hole.



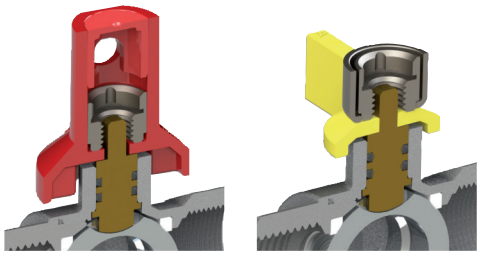
SEALING

The handle has a hole that with the blockage ensures that the closed of the valve has not been manipulated.

MAIN CONSTUCTIVE **FEATURES**

TAMPER PROOF LOCKING COVER

In addition it is available a tamper proof locking cover, to ensure the blockage of the valve and that the valve could not be tampered by anyone unconnected to the gas supplier company.

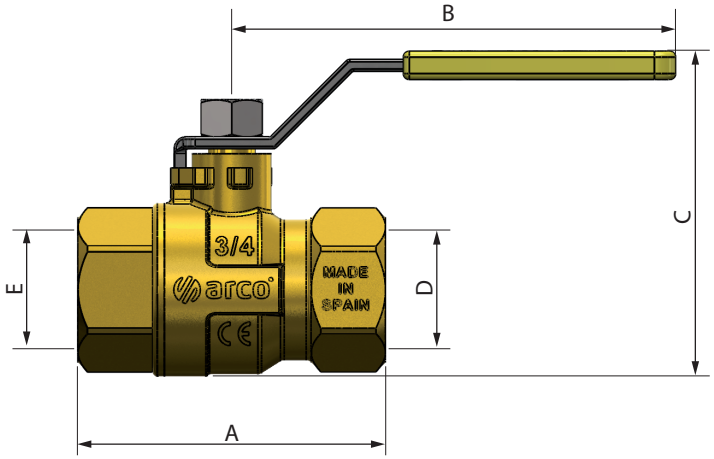


DIMENSIONS

Female - female. Lever handle

Size	A	B	C	D*	E*
1/4 FF	44	68	40	1/4	1/4
3/8 FF	44	68	40	3/8	3/8
1/2 FF	60	93	62	1/2	1/2
3/4 FF	66	93	70	3/4	3/4
1 FF	80	112	81	1	1
1 ¼ FF	89	112	90	1 ¼	1 ¼
1 ½ FF	108	152	107	1 ½	1 ½
2 FF	125	152	127	2	G2
2 ½ FF	150	172	142	2 ½	2 ½

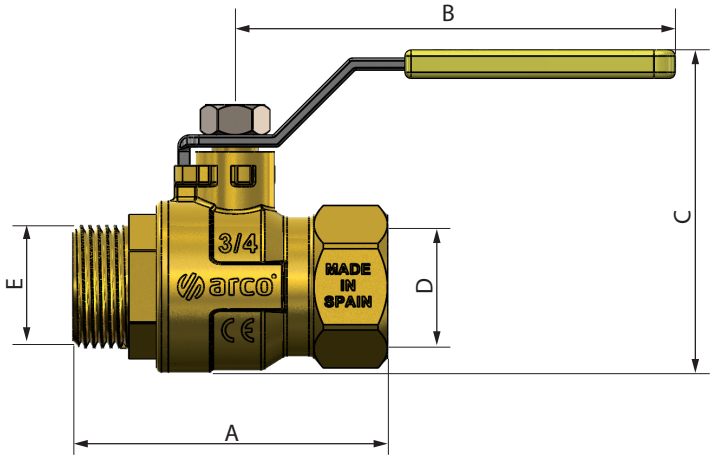
*Rp threads according to ISO 7. NPT threads available



Male - female. Lever handle

Size	A	B	C	D	E
1/2 MF	61	93	59	1/2	1/2
3/4 MF	68	93	70	3/4	3/4
1 MF	87	112	81	1	1

*Rp threads according to ISO 7

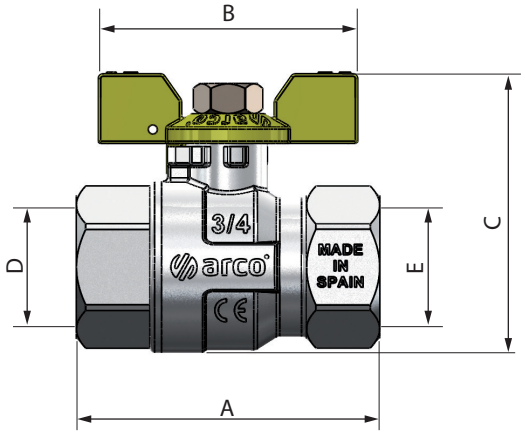


DIMENSIONS

Female - female. Butterfly handle

Size	A	B	C	D*	E*
1/2 FF	60	56	53	1/2	1/2
3/4 FF	66	56	62	3/4	3/4
1 FF	80	80	74	1	1

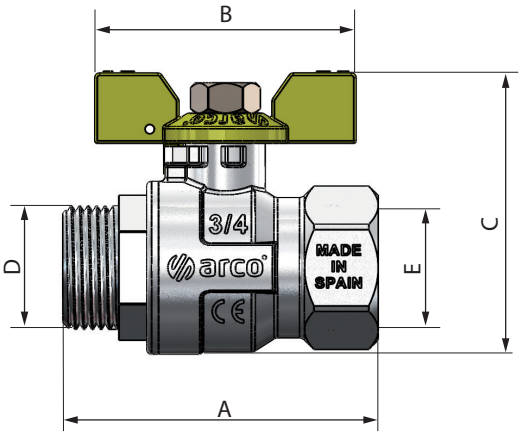
*Rp threads according to ISO 7. NPT threads available



Male - female. Butterfly handle

Size	A	B	C	D	E
1/2 MF	61	56	59	1/2	1/2
3/4 MF	68	56	62	3/4	3/4
1 MF	87	80	74	1	1

*Rp threads according to ISO 7



TEST **AND CERTIFICATIONS**

- 'CE' mark according to the "Constructions Products Regulation" (UE 305/2011)
- Conformity certificate according to the Directive 2009/142/CE according to EN 331
- Check at www.valvulasarco.com our Declaration of Performance.

INSTALATION **AND ASSEMBLY**

INSTALATION

- Connect the valve to the device or network using the appropriate leaktightness mediums (not supplied with the valve).

- Hold the valve through one of its edges, but never through the central part of the valve´s neck in other to avoid damage it.

- Carry out the corresponding leaktightness tests before the network or device commissioning implementation.

WORKING MODES

- Open: turn the handle in counterclockwise.

- Close: turn the handle in clockwise.

- Never keep the handle working in intermediate open or close positions. These valves are not intended for regulation and working in this way can decrease rapidly the valve life span.

MAINTENANCE

No maintenance is required, but it is recommended to performance a full open close maneuver every 6 month.

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