



## A-80 VITAQ VALVE

Quarter-turn angle ball valves for surface mounting where the connection is made by threaded ends.

- VITAQ system, more life, less lime at higher temperatures.
- Without reducing flow, it prolongs comfort at service points.
- European Brass, DW (4MS) quality for use in drinking water installations.
- The knurled inlet thread make it easy to apply the sealant.
- 100% valves are tested for inner leakage.
- Strong one-piece body construction for secure installations.
- Double o-ring.



## TECHNICAL SHEET A-80 VITAQ VALVE

### PRODUCT DESCRIPTION

Quarter-turn angle ball valves for surface mounting with manual operation, where the connection is made by threaded ends.

VITAQ system increase the valve life span and flow comfort in hard water areas.

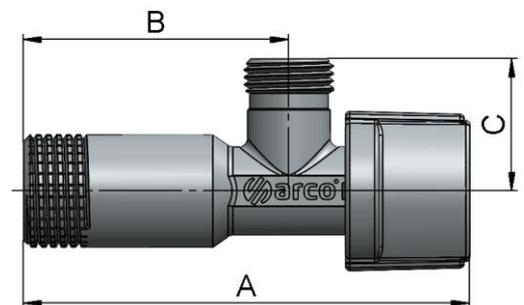
### PRODUCT SCOPE

Designed for indoor plumbing installations, allowing individual shut-off of the water supply to sinks, washbasins, cisterns, and other points of use.

## GENERAL DIMENSIONS, PRESSURE AND TEMPERATURE

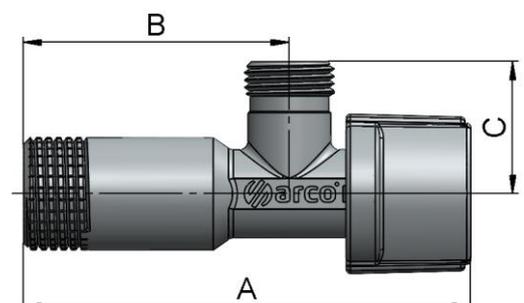
### METAL HANDLE WITH VITAQ INDEX AND WITHOUT NUT

Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV77MAC	1/2X3/8	80	48	24	16	0 to 95
NOV77MAC01	1/2X3/8	80	48	24	16	0 to 95
NOV77MAC02	1/2X3/8	80	48	24	16	0 to 95
NOV91MAC	1/2X1/2	80	48	26	16	0 to 95
NOV92MAC	1/2X1/2	80	48	26	16	0 to 95
NOV92MAC01	1/2X1/2	80	48	26	16	0 to 95
VTQ008	1/2X3/8	80	48	24	16	0 to 95
VTQ007	1/2X1/2	80	48	26	16	0 to 95



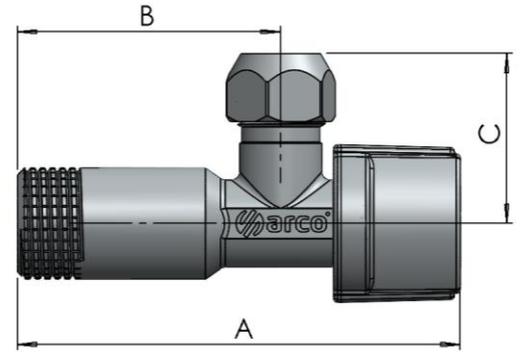
### METAL HANDLE WITOUT INDEX AND WITHOUT NUT

Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV76MAC	1/2X3/8	80	48	24	16	0 to 95

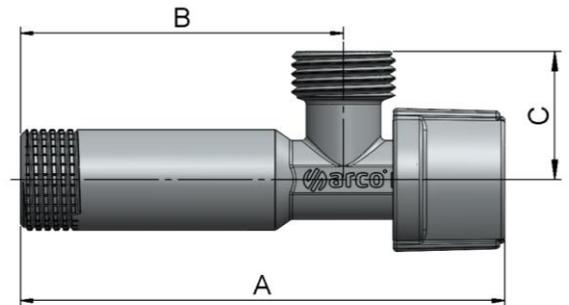



**METAL HANDLE WITHOUT INDEX AND WITH NUT**

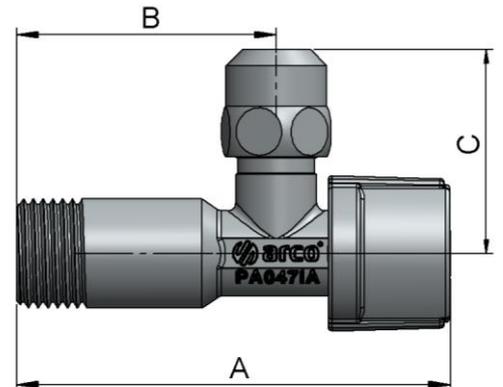
Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV74MAC	1/2X3/8X10	80	48	32	16	0 to 95
NOV75MAC	1/2X3/8X10	80	48	32	16	0 to 95


**METAL HANDLE WITHOUT INDEX OR NUT AND LONG BODY**

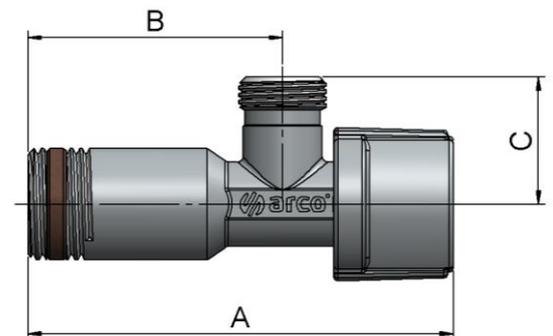
Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV88MAC	1/2X3/8	98	65	24	16	0 to 95
NOV89MAC	1/2X1/2	98	65	26	16	0 to 95


**METAL HANDLE WITH BLUE AND RED INDEX, LONG NUT, 3-COMPONENT SLEEVE AND POLISHED BODY**

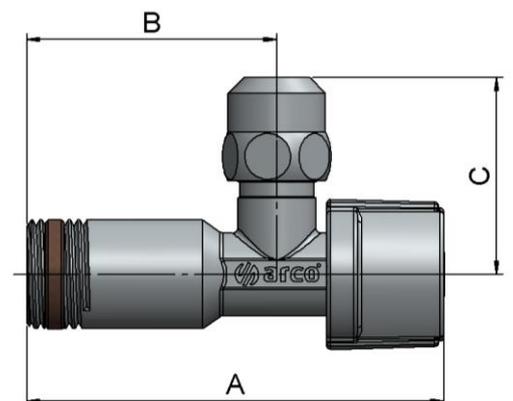
Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV78MAC	1/2X3/8X10	80	48	38	16	0 to 95


**METAL HANDLE WITHOUT NUT OR INDEX AND INLET CONNECTION WITH ASAG**

Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV81MAC	1/2X3/8	80	48	24	16	0 to 95


**METAL HANDLE WITH BLUE AND RED INDEX, LONG NUT, 3-COMPONENT SLEEVE, INLET CONNECTION WITH ASAG AND POLISHED BODY**

Code	Size	A (mm)	B (mm)	C (mm)	PN (BAR)	Temp. (°C)
NOV79MAC	1/2X3/8X10	80	48	38	16	0 to 95

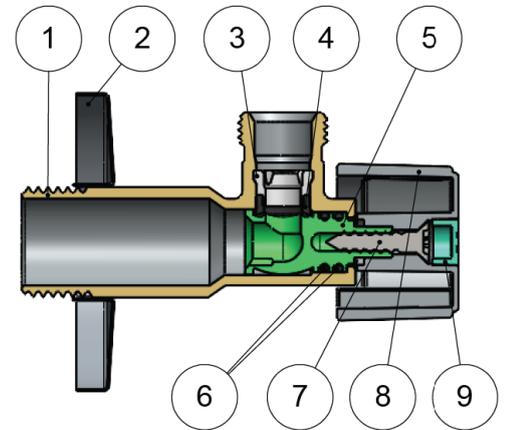




**MATERIALS**

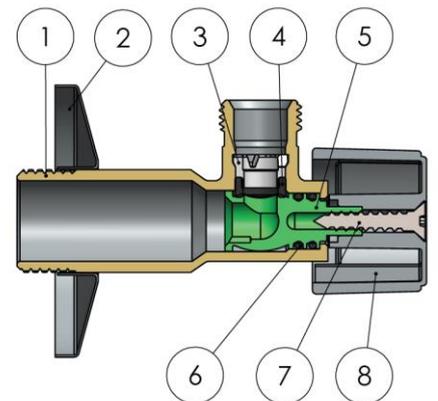
**METAL HANDLE MODELS, VITAQ INDEX AND WITHOUT NUT (NOV77MAC, NOV77MAC01, NOV77MAC02, NOV91MAC, NOV92MAC, NOV92MAC01, VTQ007 & VTQ008)**

Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Rosette	Stainless steel	Stainless steel
3	Supporting clip	POM	-
4	Seat	NBR	-
5	Stem-ball	Anti-lime polymer	VITAQ
6	O-rings	NBR	-
7	Screw	Stainless steel	Stainless steel
8	Handle	ZAMAK	Chrome plated
9	Index	ABS	VITAQ



**METAL HANDLE MODELS WITHOUT INDEX OR NUT (NOV76MAC)**

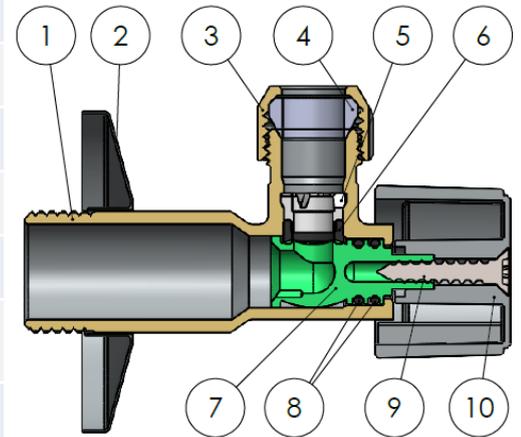
Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Rosette	Stainless steel	Stainless steel
3	Supporting clip	POM	-
4	Seat	NBR	-
5	Stem-ball	Anti-lime polymer	VITAQ
6	O-rings	NBR	-
7	Screw	Stainless steel	Stainless steel
8	Handle	ZAMAK	Chrome plated





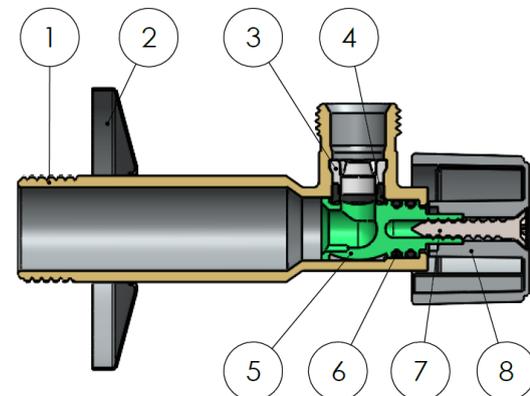
**METAL HANDLE MODELS WITHOUT INDEX AND WITH NUT (NOV74MAC & NOV75MAC)**

Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Rosette	Stainless steel	Stainless steel
3	Nut	Brass CW614N	Chrome plated
4	Sleeve	PA	-
5	Supporting clip	POM	-
6	Seat	NBR	-
7	Stem-ball	Anti-lime polymer	VITAQ
8	O-rings	NBR	-
9	Screw	Stainless steel	Stainless steel
10	Handle	ZAMAK	Chrome plated



**METAL HANDLE MODELS WITHOUT INDEX OR NUT AND LONG BODY (NOV88MAC & NOV89MAC)**

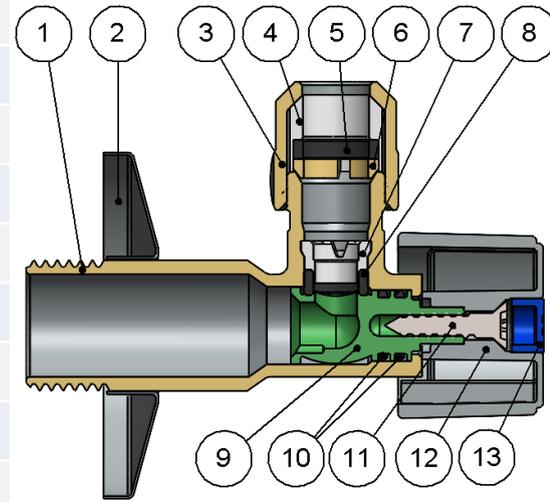
Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Rosette	Stainless steel	Stainless steel
3	Supporting clip	POM	-
4	Seat	NBR	-
5	Stem-ball	Anti-lime polymer	VITAQ
6	O-rings	NBR	-
7	Screw	Stainless steel	Stainless steel
8	Handle	ZAMAK	Chrome plated





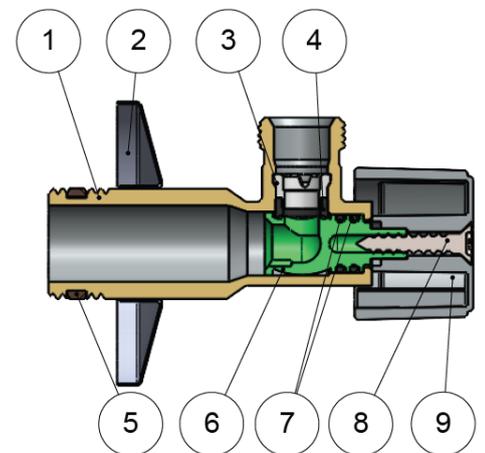
**METAL HANDLE MODEL, BLUE AND RED INDEX, LONG NUT, 3-COMPONENT SLEEVE AND POLISHED BODY (NOV78MAC)**

Item	Component	Material	Finishing
1	Body	Brass CW617N	Polished chrome
2	Rosette	Stainless steel	Stainless steel
3	Nut	Brass CW614N	Chrome plated
4	Body sleeve	PA	-
5	Joint sleeve	NBR	-
6	Ring sleeve	Brass CW614N	Brass color
7	Supporting clip	POM	-
8	Seat	NBR	-
9	Stem-ball	Anti-lime polymer	VITAQ
10	O-rings	NBR	-
11	Screw	Stainless steel	Stainless steel
12	Handle	ZAMAK	Chrome plated
13	Index	ABS	Blue / Red



**METAL HANDLE MODEL, WITHOUT INDEX OR NUT AND INLET CONNECTION WITH ASAG (NOV81MAC)**

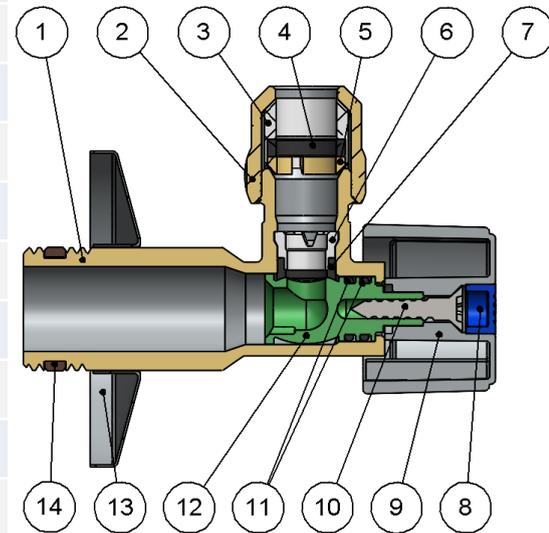
Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Rosette	Stainless steel	Stainless steel
3	Supporting clip	POM	-
4	Seat	NBR	-
5	Washer	PTFE	-
6	Stem-ball	Anti-lime polymer	VITAQ
7	O-rings	NBR	-
8	Screw	Stainless steel	Stainless steel
9	Handle	ZAMAK	Chrome plated





**METAL HANDLE MODEL, BLUE AND RED INDEX, LONG NUT, 3-COMPONENT SLEEVE, INLET CONNECTION WITH ASAG AND POLISHED BODY (NOV79MAC)**

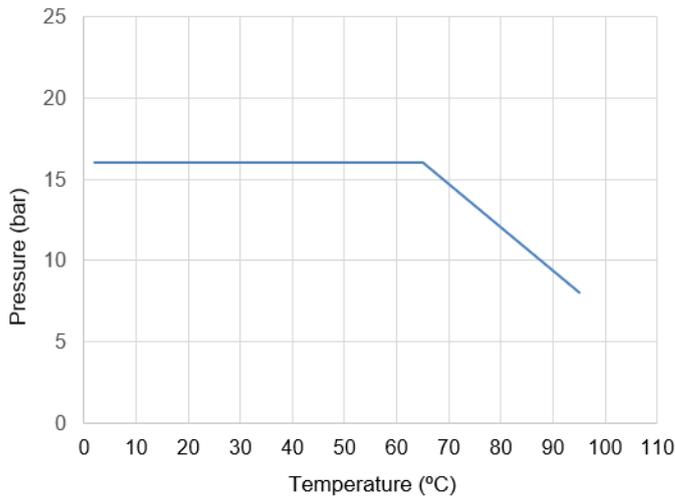
Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Nut	Brass CW614N	Chrome plated
3	Body sleeve	PA	-
4	Joint sleeve	NBR	-
5	Ring sleeve	Brass CW614N	Brass color
6	Supporting clip	POM	-
7	Seat	NBR	-
8	Index	ABS	Blue / Red
9	Handle	ZAMAK	Chrome plated
10	Screw	Stainless steel	Stainless steel
11	O-rings	NBR	-
12	Stem-ball	Anti-lime polymer	VITAQ
13	Rosette	Stainless steel	Stainless steel
14	Washer	PTFE	-





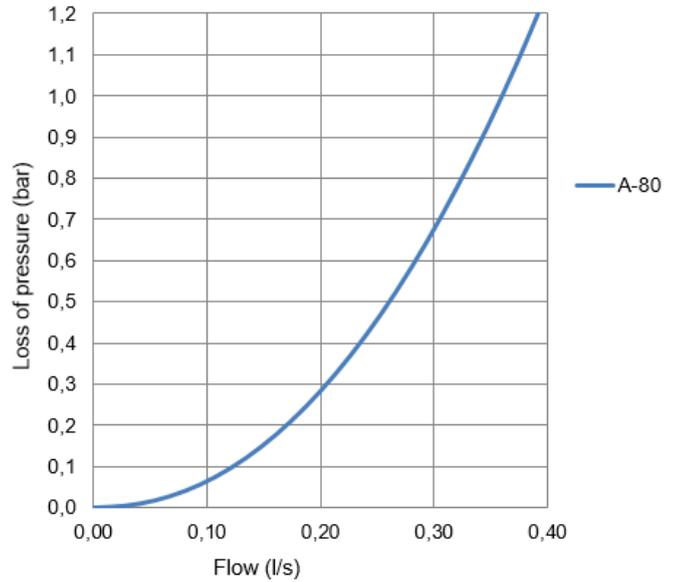
**TECHNICAL DATA**

**Pressure vs. temperature**



Temperature range excludes freezing.

**Hydraulic features.  
Flow vs. loss of pressure.**



**Compatibility with fluids**

Fluid	Compatibility
Drinking water and domestic hot water	Excellent

For any other fluid, please contact Arco technical service.

Size	A-80
Kv	1,30

Kv (m<sup>3</sup>/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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