



A-80 VITAQ NPT 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.
- 100% valves are tested for inner leakage.
- Strong one-piece body construction for secure installations.
- Double o-ring, ensures external leaktightness.



4MS
CW617N



* According to model

TECHNICAL SHEET A-80 VITAQ NPT 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

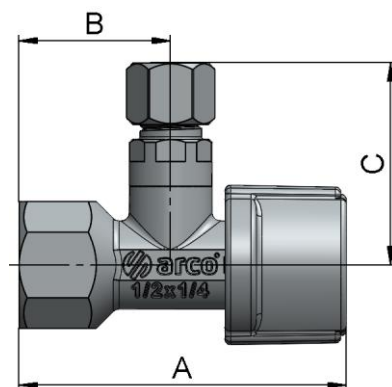
Designed for indoor plumbing installations, allowing individual shut-off of the water supply to sinks, washbasins, cisterns, and other points of use.

GENERAL DIMENSIONS, PRESSURE AND TEMPERATURE

FEMALE-COMPRESSION NOVA ABS HANDLE

Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206100	1/2" FIPX 1/4" OD	59	28	37	230 psi 16bar	32 to 200°F 0 to 95
206110	1/2" FIPX 3/8" OD	59	28	31	230 psi 16bar	32 to 200°F 0 to 95

* Freezing is excluded.



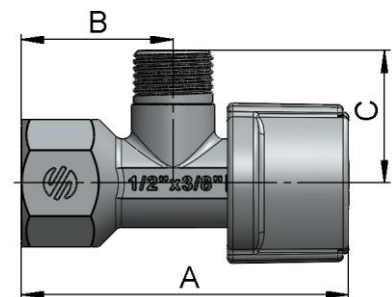
FEMALE-MALE NOVA ABS HANDLE

Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206114	1/2" FIPX 3/8" OD ⁽¹⁾	59	28	24	230 psi 16bar	32 to 200°F 0 to 95
206144*	1/2" FIPX 3/8" M ⁽²⁾	59	28	24	230 psi 16bar	32 to 200°F 0 to 95

* Freezing is excluded.

⁽¹⁾ 3/8" OD without nut and sleeve.

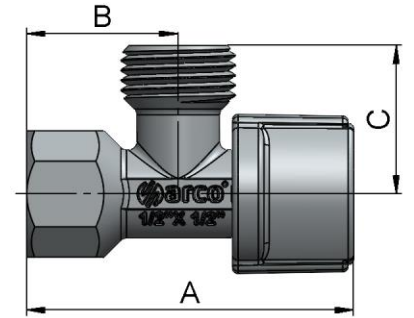
⁽²⁾ 3/8" M connection with ISO228 thread (Europe) for European taps.




FEMALE-MALE NOVA ABS HANDLE

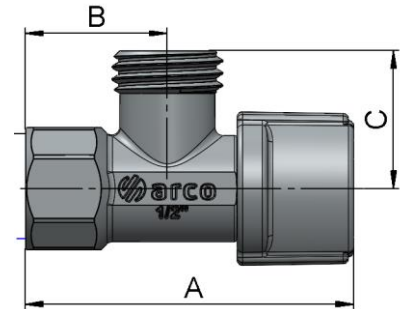
Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206150	1/2" FIPX 1/2" NPSM	59	28	27	230 psi 16bar	32 to 200°F 0 to 95

* Freezing is excluded.


FEMALE-X-FLOW NOVA ABS HANDLE

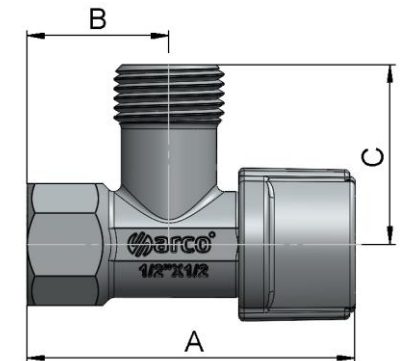
Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206151	1/2" FIPX 1/2" NPSM	62	27	26	230 psi 16bar	32 to 200°F 0 to 95

* Freezing is excluded.


FEMALE-X-FLOW WITH CHECK VALVE NOVA ABS HANDLE

Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206152	1/2" FIPX 1/2" NPSM	62	27	34	230 psi 16bar	32 to 200°F 0 to 95

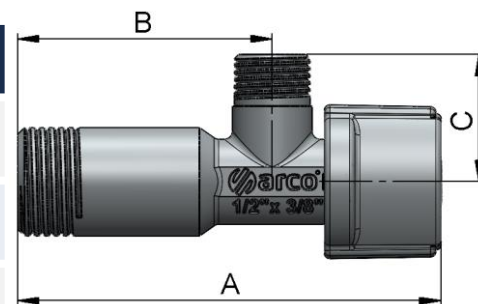
* Freezing is excluded.


MALE-MALE NOVA ABS HANDLE

Code	Size	A (mm)	B (mm)	C (mm)	PN	Temp. (C°) *
206410	1/2" M NPTX 3/8" OD ⁽¹⁾	80	48	24	230 psi 16bar	32 to 200°F 0 to 95
206450	1/2" M NPTX 1/2" NPSM	80	48	27	230 psi 16bar	32 to 200°F 0 to 95
206490	1/2" M NPTX W9/16X19F	80	48	24	230 psi 16bar	32 to 200°F 0 to 95

* Freezing is excluded.

⁽¹⁾ 3/8" OD without nut and sleeve.



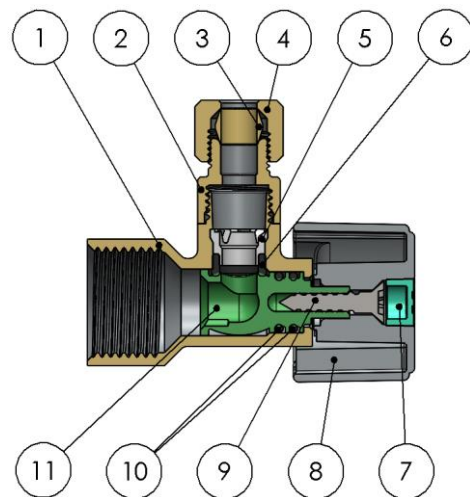


MATERIALS

MODELS 206100, 206110, 206114, 206144, 206150

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

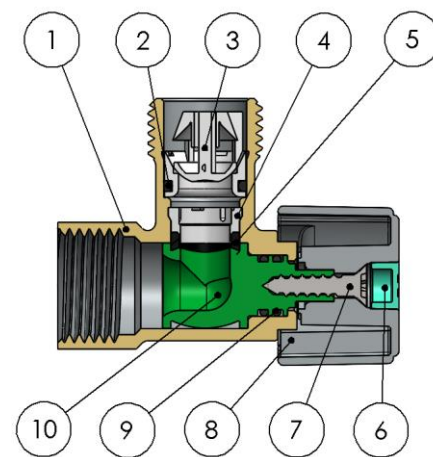
* Variable component according to model.



MODEL 206151 y 206152

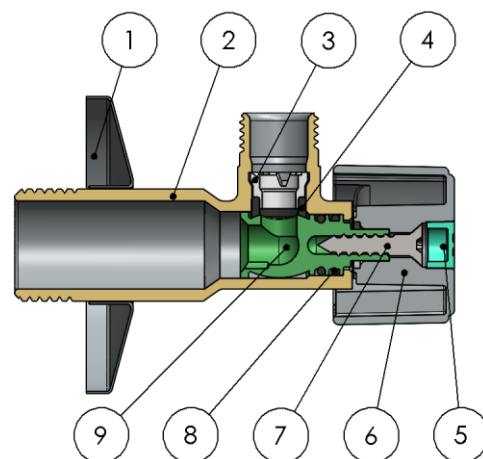
Item	Component	Material	Finishing
1	Body	Brass CW617N	Chrome plated
2	Flat joint	NBR	-
3*	Check valve	POM + inox.	-
4	Supporting clip	POM	-
5	Seat	NBR	-
6	Index	ABS	Green VITAQ
7	Screw	Stainless steel	Stainless steel
8	Handle	ABS	Chrome plated
9	O-rings	NBR	-
10	Stem-ball	Anti-lime polymer	VITAQ

* Variable component according to model.




MODELS 206410,206450, 206490

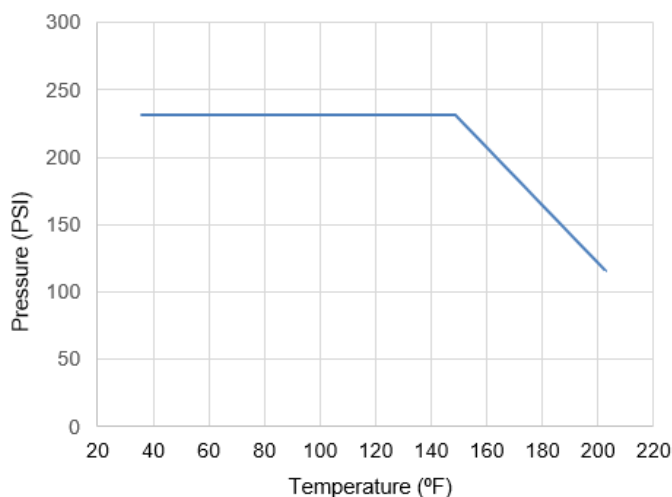
Item	Component	Material	Finishing
1	Rosette	Stainless steel	Stainless steel
2	Body	Latón CW617N	Chrome plated
3	Supporting clip	POM	-
4	Seat	NBR	-
5	Index	ABS	Verde VITAQ
6	Handle	ABS	Chrome plated
7	Screw	Stainless steel	Stainless steel
8	O-rings	NBR	-
9	Stem-ball	Anti-lime polymer	VITAQ





TECHNICAL DATA

Pressure vs. temperature



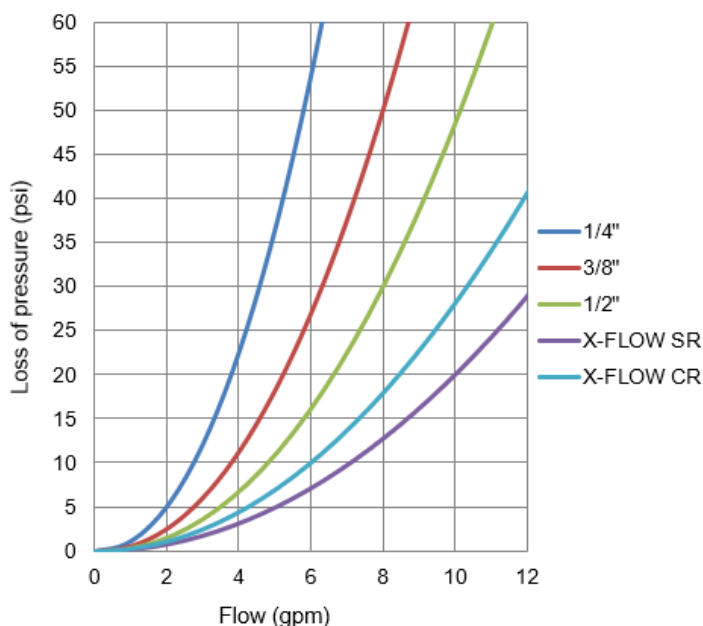
Temperature range excludes freezing.

Compatibility with fluids

Fluid	Compatibility
Drinking water and domestic hot water	Excellent

For any other fluid, please contact Arco technical service.

Hydraulic features. Flow vs. loss of pressure.



Size	1/4"	3/8"	1/2"	X-FLOW SR without Check valve	X-FLOW CR with Check valve
Cv	0,85	1,18	1,50	2,24	1,89

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.

FT01400ING – Edition 2024-12