



LISTINGS & CERTIFICATIONS:



IAPMO listed to ASME a112,18,1 / CSA B125.1
(includes NSF/ANSI 372 and NSF/ANSI/CAN 61)

ANGLE VALVES

VITAQ ANTI-LIMESCALE SYSTEM INSIDE

VITAQ ANGLE VALVES, are quarter turn angle stop valves, installed upstream of a terminal fitting to shut off water supply in a quick and safe way isolating the device to service or replace.

- VITAQ System: more life less lime scale at higher temperatures.
 - Increase your installation life span.
 - Smoother open/close operation.
 - Prevent lime scale blocks your valves.
- Ball-stem with 6 mm bore, more flow less energy loss.
- Handle with VITAQ index: Ergonomic and compact and chrome plated for more endurance.
- One piece stamped body, compact and resistant.
- Double o-ring on ball-stem to secure external leak tightness.
- 100% of the valves are tested for outer and inner leakage.



DATA SHEET ANGLE VALVES

SERVICE CONDITIONS:

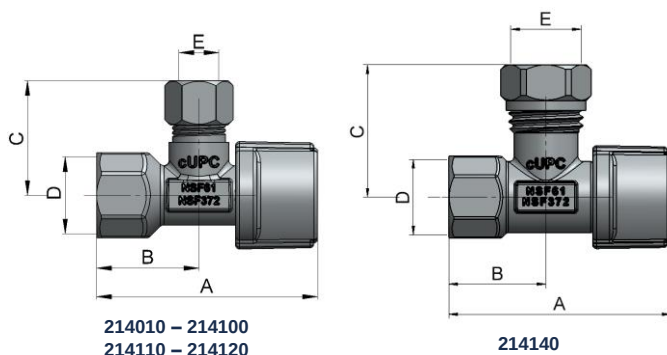
Operating Specifications	
Temperature	40° up to 160°F
Maximum Pressure	125PSI

GENERAL DIMENSIONS:

Code	Size	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)
214010	3/8" FIP x 3/8" OD	2,28	1,06	1,26	3/8" FIP	3/8" OD
214100	1/2" FIP x 1/4" OD	2,36	1,10	1,30	1/2" FIP	1/4" OD
214110	1/2" FIP x 3/8" OD	2,36	1,10	1,22	1/2" FIP	3/8" OD
214120	1/2" FIP x 1/2" OD	2,48	1,10	1,46	1/2" FIP	1/2" OD
214140	1/2" FIP x 7/16" & 1/2" Slip Joint	2,45	1,10	1,46	1/2" FIP	7/16" & 1/2" SP

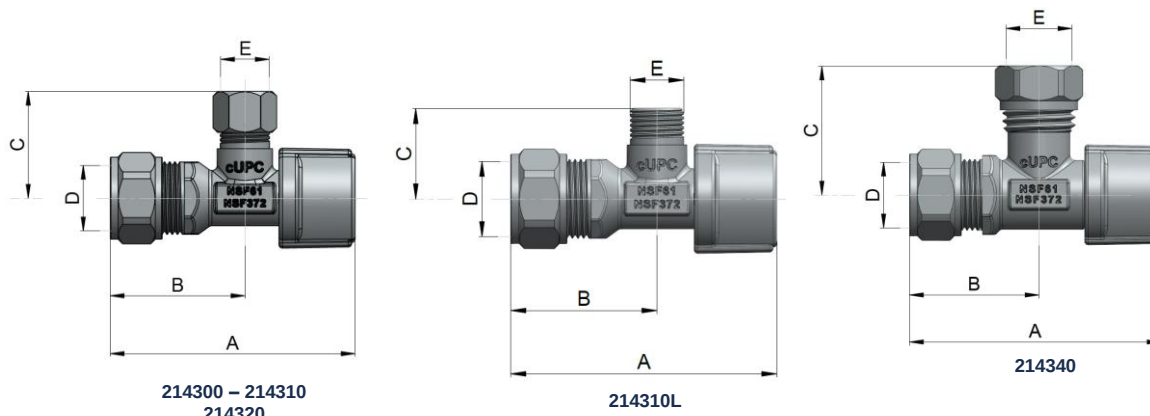
PRODUCT SCOPE:

1/4 turn valves for use in potable water distribution networks in residential and commercial applications, where an individual water supply shut off may be needed. For continuous hot water use up to 160 °F, for higher temperatures please contact us before using. These valves are intended to work in full open or full close position, intermediate positions may damage them.



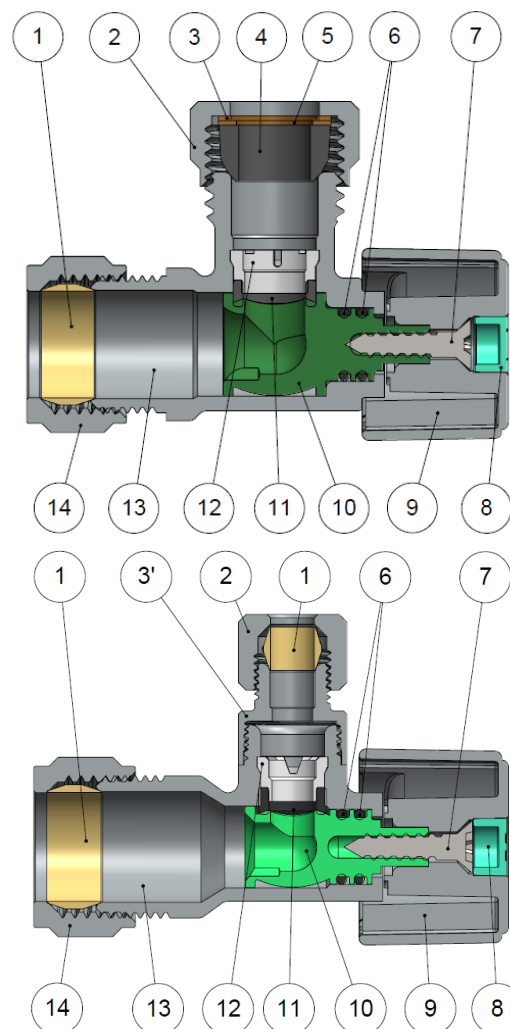


Code	Size	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)
214300	1/2"nom Comp x 1/4"OD	2,83	1,50	1,30	1/2"nom Comp	1/4"OD
214310	1/2"nom Comp x 3/8"OD	2,83	1,50	1,22	1/2"nom Comp	3/8"OD
214310L	1/2"nom Comp x 3/8"OD less Nut/Sleeve	2,83	1,50	0,95	1/2"nom Comp	3/8"OD
214320	1/2"nom Comp x 1/2"OD	2,87	1,50	1,46	1/2"nom Comp	1/2"OD
214340	1/2"nom Comp x 7/16" & 1/2"Slip Joint	2,87	1,50	1,46	1/2"nom Comp	7/16" & 1/2"SP



COMPONENTS AND MATERIALS:

Item	Component	Material	Treatment
1	Sleeve	Brass	-
2	Nut	Brass	Chrome plated
3	Washer	Brass	-
3'	Adapter	Brass	Chrome plated
4	Sleeve	EPDM	-
5	Washer	Brass	-
6	O-ring	EPDM	-
7	Screw	Inox	-
8	Index	ABS	Green Vitaq
9	Handle	ABS	Chrome plated
10	Ball-stem	Anti-lime polymer	VITAQ
11	Seat	EPDM	-
12	Supporting clip	POM	-
13	Body	Brass	Chrome plated
14	Nut	Brass	Chrome plated



WARNING: Cancer and Reproductive Harm –
www.P65Warnings.ca.gov



TECHNICAL DATA

Flow rate

Code	Measured Flow Rate at 20 psi (gpm)	Nominal Outlet Size	Minimum Flow Rate Requirement (gpm)
214010	6,57	3/8"OD	4,0
214100	3,57	1/4"OD	n/a*
214110	6,33	3/8"OD	4,0
214120	10,52	1/2"OD	5,5
214140	11,15	7/16" & 1/2"Slip Joint	5,5
214300	3,61	1/4"OD	n/a*
214310	6,54	3/8"OD	4,0
214310L	6,54	3/8"OD	5,5
214320	10,38	1/2"OD	5,5
214340	10,87	7/16" & 1/2"Slip Joint	5,5

Flow rate according to Clause 5.4.2.3. per ASME A112.18.1-2018/CSA B125.1-18

*Note: The standard doesn't specify the flow rate requirements for supply stops with 1/4" outlet.

Fluid compatibility

Fluid	Compatibility
Water	Good

For other fluids, please contact our technical department.

INSTALLATION INSTRUCTIONS:

FOR COMPRESSION END CONNECTIONS.

- Switch off flow of water to installation area.
- Make sure the inlet and outlet pipes are square cut, round and free of burrs before installation. Clean any type of residues.
- Slide compression nut onto copper tube, then slide the sleeve.
- Instal the valve onto the copper tube and slide compression nut and sleeve up to the valve.
- Tighten nut until resistance is felt. Tighten additional 1/2 turn. Do not overtighten.
- Check operation of valve by turning handle to ensure connections are watertight.

FOR THREADED END CONNECTIONS.

- Switch off flow of water to installation area.
- Make sure the inlet and outlet pipes are square cut, round and free of burrs before installation. Clean any type of residues.
- Apply sealing material to the thread of the inflow pipe.
- Thread the valve onto supply pipe and tighten.
- Check operation of valve by turning handle to ensure connections are watertight.

Manufacturer assumes no responsibility due to improper installation



Every product has an impact on the environment during all stages of its life-cycle, including final disposal. All components of these valve can be recycled, deposit the valve in a green or recycled point when no longer useful. Válvulas Arco S.L. reserves the right to change our products and specifications at any time and without prior notice.

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