TWIN DUAL SHUTOFF VALVES
VITAQ ANTI-LIMESCALE SYSTEM INSIDE

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

- First dual shut off angle stop valve with just one handle.
- One single handle for full control of 4 different position (open/close).
- Each position fits with a “click”.
- Operation works in both senses (clockwise & counterclockwise).
- VITAQ System: more life less lime scale at higher temperatures.
  - Increase your installation life span.
  - Smoother maneuver.
  - 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. The index shows the waterflow.
- 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.

LISTINGS & CERTIFICATIONS:

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

DATA SHEET TWIN DUAL SHUTOFF VALVES

SERVICE CONDITIONS:

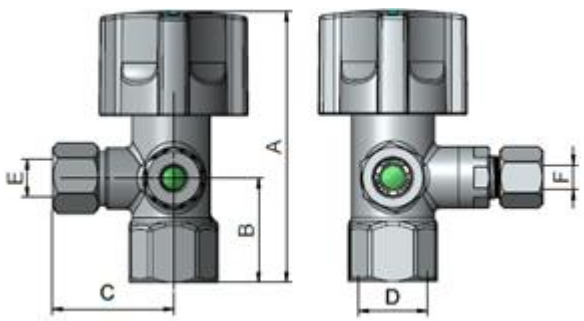
Operating Specifications	
Temperature	40º up to 160ºF
Maximum Pressure	125PSI

PRODUCT SCOPE:

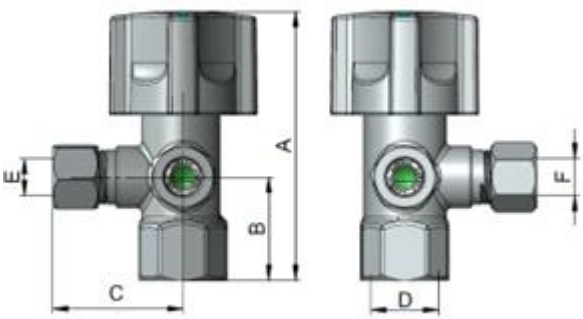
1/4 turn valves for use in potable water distribution networks in residential and commercial applications, where an individual water supply shut off may be needed. For continuous hot water use up to 160 ºF, for higher temperatures please contact us before using. These valves are intended to work in full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

GENERAL DIMENSIONS:

Code	Size	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	F (inches)
2141015	1/2”FIP x 3/8”OD x 1/4”OD	2,76	1,06	1,34	1/2”FIP	3/8”OD	1/4”OD
2141115	1/2”FIP X 3/8”OD x 3/8”OD	2,76	1,06	1,34	1/2”FIP	3/8”OD	3/8”OD
2143015	1/2”nom Comp x 3/8”OD x 1/4”OD	3,23	1,50	1,34	1/2”nom Comp	3/8”OD	1/4”OD
2143115	1/2”nom Comp x 3/8”OD x 3/8”OD	3,23	1,50	1,34	1/2”nom Comp	3/8”OD	3/8”OD



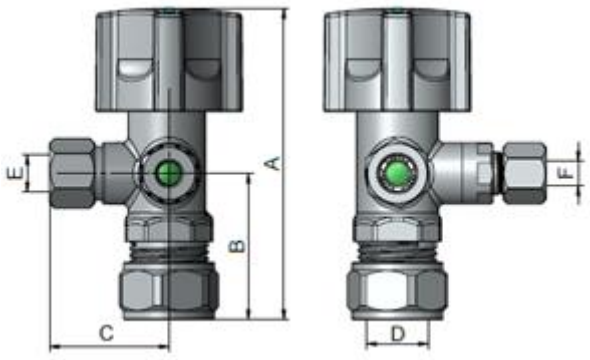
2141015



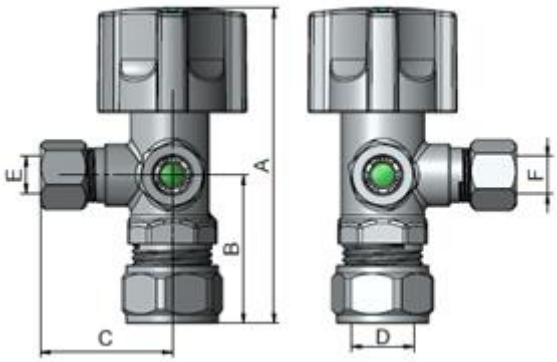
2141115

1/4 TURN SUPPLY STOPS – TWIN DUAL SHUTOFF VALVES

Code	Size	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	F (inches)
2143015	1/2”nom Comp x 3/8”OD x 1/4”OD	3,23	1,50	1,34	1/2”nom Comp	3/8”OD	1/4”OD
2143115	1/2”nom Comp x 3/8”OD x 3/8”OD	3,23	1,50	1,34	1/2”nom Comp	3/8”OD	3/8”OD



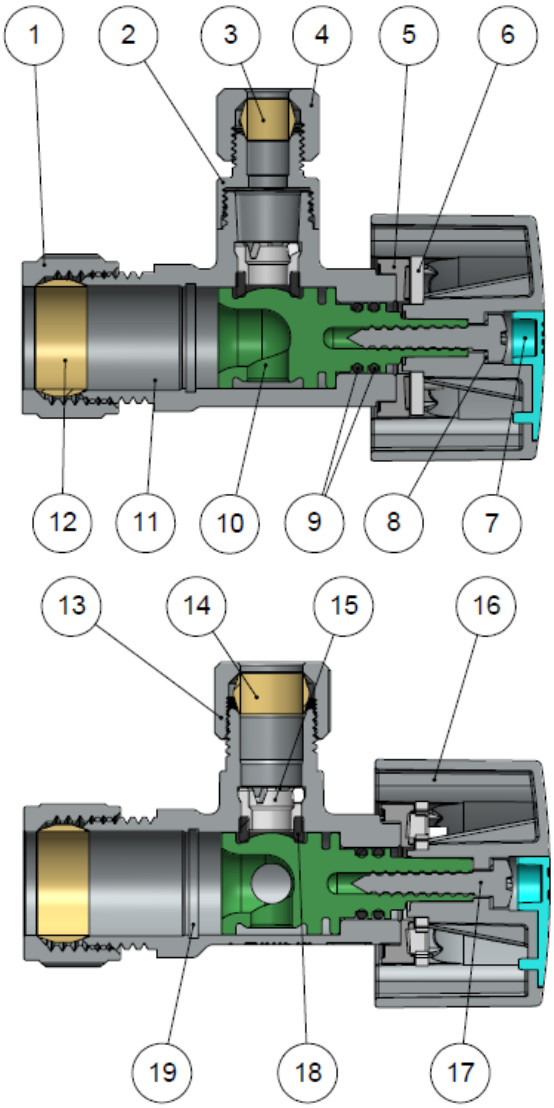
2143015



2143115

COMPONENTS AND MATERIALS:

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



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

TECHNICAL DATA

Flow rate

Code	Mesured Flow Rate at 20 psi (gpm)	Nominal Outlet Size	Minimum Flow Rate Requirement (gpm)
2141015	6,63	3/8”OD	4,0
	3,52	1/4”OD	n/a*
2141115	7,02	3/8”OD	4,0
	3,32		
2143015	7,03	3/8”OD	4,0
	3,32	1/4”OD	n/a*
2143115	6,65	3/8”OD	4,0
	6,86		

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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Arco S.L., Avda. del Cid 16,
46134 Foios, Valencia. Spain.
www.valvulasarco.com