

VITAQ spring check valve

- VITAQ System (more life no lime) at higher temperature.
- Low friction piston.
- More Flow with bigger cross section area.
- Low noise level o.
- Resists 200.000 cycles*.
(* consult test conditions)



DATA SHEET VITAQ spring check valve

PRODUCT DESCRIPTION:

VITAQ check valve EB type, according to EN-1717. VITAQ system softens the negative calcium effects.

SCOPE:

- Drinking water and sanitary hot water.
- Water distribution networks.
- Pressure pump system.
- Radiator and floor heating systems.

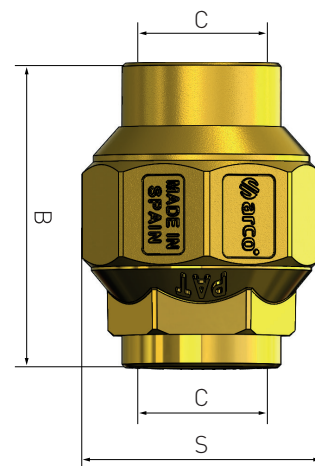
GENERAL DIMENSIONS, WORKING PRESSURE AND TEMPERATURE:

Size (C)	B (mm)	S (mm)	Weight (gr)	PN(bar)	°Temp (°C)
1/2	48	35	140	16	0 - 85
3/4	54	42	195	16	0 - 85
1	61	48	285	16	0 - 85
1 1/4	67	60	395	16	0 - 85
1 1/2	73	71	680	16	0 - 85
2	80	87	950	16	0 - 85
2 1/2	100	103	1630	16	0 - 85

Threads according to ISO228

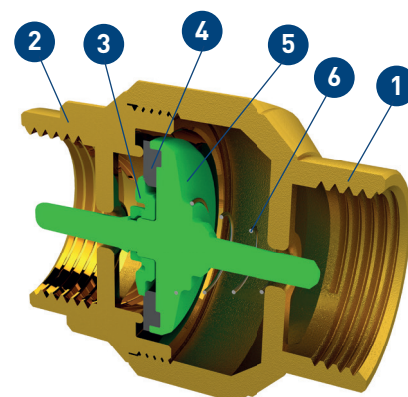
*For peaks during short time periods. Freezing excluded.

S: face to face.



MATERIALS:

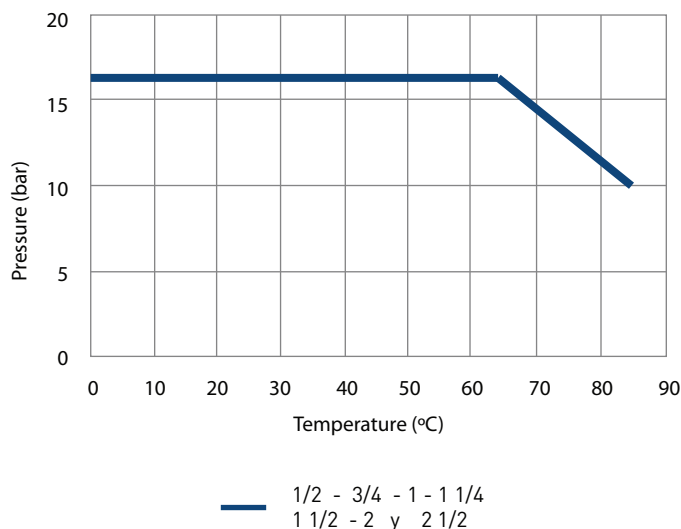
Item	Component	Material	Finished
1	Body	Brass CW617N	Brass Color
2	Lateral	Brass CW617N	Brass Color
3	Clip	VITAQ Polymer	-
4	Washer	NBR	-
5	Piston	VITAQ Polymer	-
6	Spring	INOX AISI 304	-



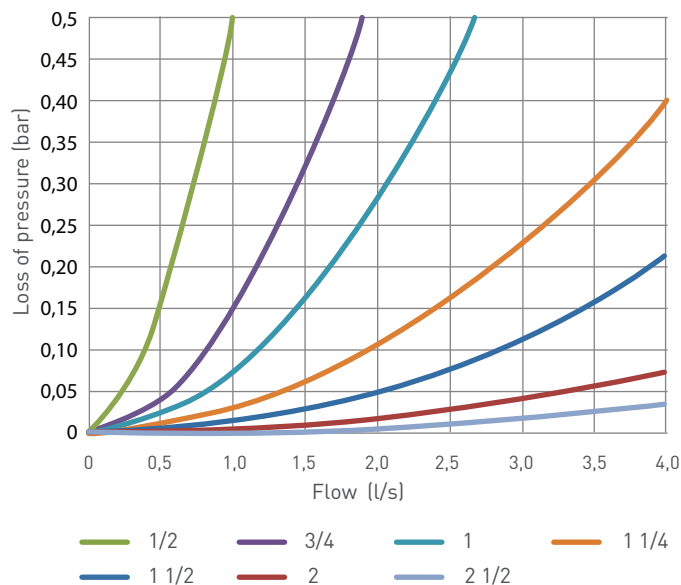


TECHNICAL DATA

Pressure vs temperature diagram



Hydraulic features / Flow vs Loss of pressure



Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Kv	5	9.6	14	23	29.8	54	62

Kv (m³/h) [cubic meters per hour that flow through the valve producing a loss of pressure of 1 bar].

Fluid compatibility

Fluido	Compatibilidad
Water	Good
Glycol	Good
Oil	Medium

For other fluids, kindly ask.

Minimum opening pressure

Size	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
Mbar	30	15	15	20	20	20	13

Installation instructions

Check valves do not require specific maintenance, it is recommended to use a filter upstream in order to assure correct working of the valve.

They can be installed either in horizontal or vertical position.

The arrow marked on the body must point in the same direction as the water flow.

For installation (threading) it is preferable use the planes located near the inlet, in case of using the central planes, do not apply undue strength, it may damage the valve.



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

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