

spirax sarco

LCV1 Bronze Lift Check Valve

Description

The LCV1 is a bronze lift check valve which is installed in horizontal lines to prevent reverse flow.

Sizes and pipe connections

1/2", 3/4", 1", 1 1/4", 1 1/2", 2" and 3".

Screwed NPT

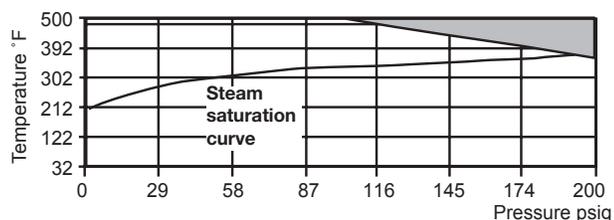
Limiting conditions

PMA - Maximum allowable pressure 200 psig

TMA - Maximum allowable temperature 500°F

Maximum cold hydraulic test pressure 406 psig

Operating range



The product must not be used in this region

Cv values

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	3"
Cv	2.2	5.0	9.9	13.9	22.0	36.0	80.0

Opening pressures in inches of water

Without springs	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	Flow pressures
>	2.5	3.0	2.6	2.9	2.9	2.8	

With springs fitted the opening pressure is the same as the spring strength.

Materials

No	Part	Material
1	Body	Bronze
2	Cone	Brass
3	Cap	Brass
4*	Spring	Stainless steel

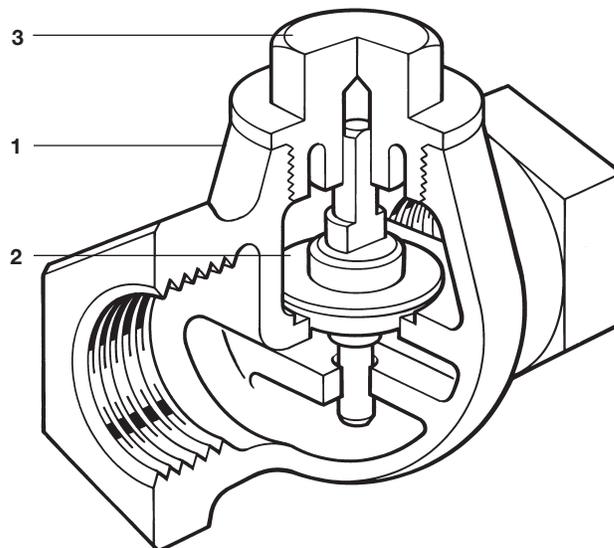
* Not illustrated

Installation

Always install with the flow in the direction as indicated on the body.

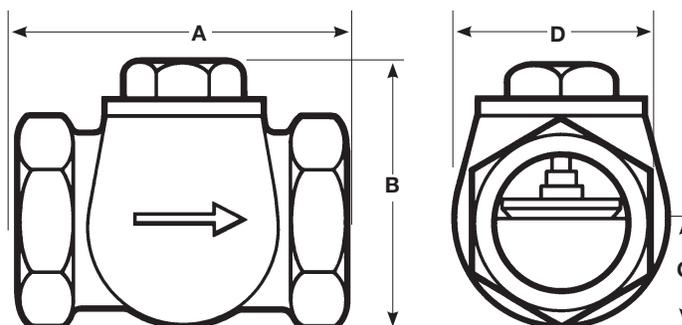
How to order

1/2" NPT Spirax Sarco LCV1 lift check valve.



Dimensions (approximate) in inches and lbs.

Size	A	B	C	D	Weight
1/2"	2.1	1.8	0.7	1.4	0.4
3/4"	2.8	2.3	0.8	1.6	1.1
1"	3.4	2.8	1.1	2.2	1.8
1 1/4"	3.4	2.8	1.1	2.2	1.8
1 1/2"	4.3	3.6	1.4	2.8	4.2
2"	5.3	4.1	1.7	3.4	5.9
3"	7.1	6.0	2.4	4.8	15.2



Pipeline Ancillaries

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.

In the interests of development and improvement of the product, we reserve the right to change the specification.

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