



Certificate No. FM163

ISO 9001

spirax/sarco

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ST Issue 3

LCV 1 Bronze Lift Check Valve

Description

The LCV 1 is a bronze lift check valve which is installed in horizontal lines to prevent reverse flow.

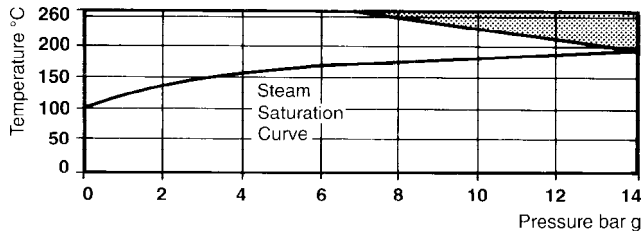
Sizes and pipe connections

½", ¾", 1", 1¼", 1½", 2" and 3".
Screwed BSP or NPT

Limiting Conditions

PMA - maximum allowable pressure 14 bar g
TMA - maximum allowable temperature 260 °C
Maximum cold hydraulic test 28 bar g.

Operating range



The product must not be used in this region

Kv values

Size	½"	¾"	1"	1¼"	1½"	2"	3"
Kv	1.9	4.3	8.5	11.9	18.8	30.8	68.4

For conversion C_v (UK) = $K_v \times 0.97$ C_v (US) = $K_v \times 1.17$

Materials

No	Part	Material	Specification
1	Body	Bronze	BS 1400 LG2
2	Cone	Brass	BS 2874 CZ 114
3	Cap	Brass	BS 2872 CZ 122
4*	Spring (3" only)	Stainless Steel	BS 2056 302 S26

* Not illustrated

Installation

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

How to specify

1¼" BSP SPIRAX SARCO LCV 1 Lift Check Valve.

Dimensions (approximate) in millimetres

Size	A	B	C	D	Weight
½"	53	46	18	36	0.2 kg
¾"	71	58	20	41	0.5 kg
1"	86	71	28	56	0.8 kg
1¼"	86	71	28	56	0.8 kg
1½"	109	91	36	71	1.9 kg
2"	135	104	43	86	2.7 kg
3"	180	152	61	122	6.9 kg

