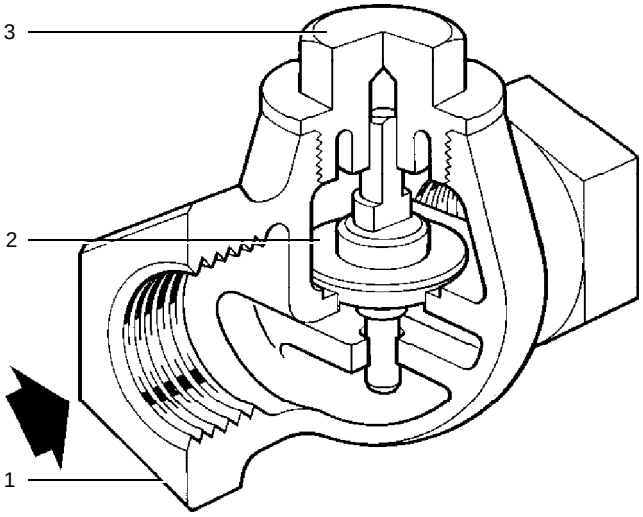
Certificate No. FM163

ISO 9001

TI-029-01
ST Issue 3

LCV 1 Bronze Lift Check Valve

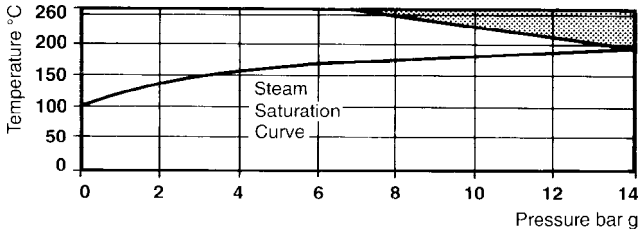
Description
The LCV 1 is a bronze lift check valve which is installed in horizontal lines to prevent reverse flow.



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 x 0.97 C_V (US) = K_V x 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

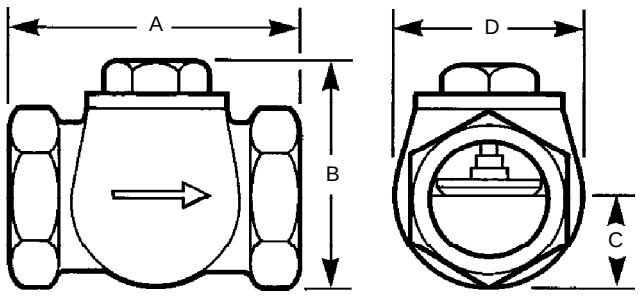
* Not illustrated

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



Local regulations may restrict the use of this product to below the conditions quoted.
In the interests of development and improvement of the product, we reserve the right to change the specification.

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