

61LF SERIES

Lead Free In-Line Check Valve

APOLLOXPRESS™

DESCRIPTION:

The **Lead Free*** APOLLOXPRESS™ Model CVB- PRLF (61LF Series) BALL-CONE® check valves with Press connections offer reliable protection against reverse flow in potable water applications using proven ASTM quality materials made in the USA. Valves may be installed in both horizontal and vertical flow with upward flow.

FEATURES:

- Fast, Reliable, Economical Press Installation
- Ridgid® XL Press Tool Compatible
- Leak Before Press® Technology
- 1/2 psi spring cracking pressure
- Tight Shut-off With Liquid Media
- Straight-through Flow Design Efficiency
- RPTFE Ball-Cone® for Chemical Resistance
- **Made in USA**, ARRA Compliant

APPROVALS

- NSF/ANSI 61-8 2010 Annex F, G Lead Free*
- Canadian Registration Number OC11218.5C

PERFORMANCE RATING†:

- Maximum Pressure: 250 psi (17.2 bar) non-shock
- Temperature Range: 0°F - 250°F (-18°C - 121°C)

† APOLLOXPRESS connectors are designed for direct mechanical connection to ASTM B88-Type K, L, and M copper tubing in the hard drawn condition. Not suitable for steam or flammable gas service.

MATERIAL SPECIFICATIONS:

Part Name	Material
Body	ASTM B584 C89836 Lead Free* Bronze
Retainer	UNS C27450 Lead Free* Brass
Connector Housing	UNSC27450 Lead Free* Brass
Connector O-Ring	NSF grade EPDM
Spring	AISI 316 Stainless Steel
Ball Cone Check	RPTFE, 15% Glass Filled
Stem	UNS C27450 Lead Free* Brass

Precautionary Note: Not recommended for use with reciprocating pumps and similar applications which may induce repetitious vibrations. Low flow rates which do not fully open the valve may result in undesirable noise and premature valve failure. Upstream flow disturbances, which create turbulence, may also result in rapid wear. Therefore, it is recommended that a minimum of 10 diameters of straight pipe be provided between the check valve and any upstream flow disturbances such as pumps, control valves, elbows, etc.



DIMENSIONS (IN)

Model Number	Item Number	Size	Length	Wt (lbs)	Flow (Cv)
CVB12PRLF	61LF10301PR	1/2"	4.2"	.42	1.4
CVB34PRLF	61LF10401PR	3/4"	5.0"	1.0	3.5
CVB1PRLF	61LF10501PR	1"	5.8"	1.9	6.0
CVB114PRLF	61LF10601PR	1-1/4"	6.7"	3.35	44
CVB112PRLF	61LF10701PR	1-1/2"	8.2"	4.6	65
CVB2PRLF	61LF10801PR	2"	9.7"	7.3	81

For liquids, the flow coefficient - Cv - expresses the flow capacity in gallons per minute (GPM) of 60°F water with a pressure drop of 1 psi (lb/in²).

OPTIONS**

- Soft Seat (61LF-500 Series)
- 0 psig Cracking Pressure (No Spring)
- 5 psig Cracking Pressure (1/2" - 1")
- 10 psig Cracking Pressure (1/2" - 1")
- OTHER

** Consult factory for availability of LF Model options



* **LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB1953, VT Act 193, MD HB372, LA HB471 and Federal Public Law 111-380. ANSI 3rd party approved and listed.

For additional information, submittal sheets and manuals, visit www.elkhartproducts.com



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ELKHART PRODUCTS CORPORATION Customer Service (574) 264-3181