



**Lead Free\***

# MODEL CVB-LF IN-LINE CHECK VALVE (61LF Series)

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	Wholesale Distributor:

## DESCRIPTION

The Apollo® CVB-LF (61LF Series) Ball Cone® check valves offer reliable protection against reverse flow and exceptional resistance to chemicals and corrosion using proven ASTM grade **Lead Free\*** materials.

## FEATURES

- **Lead Free\* AB 1953 Certified**
- FNPT Threaded Connections
- ½ psi spring cracking pressure
- Cast Bronze Body, Sizes ¼" to 3"
- Tight Shut-off With Liquid Media
- Straight-through Flow Design Efficiency
- RPTFE Ball Cone® for Chemical Resistance
- Made in the USA

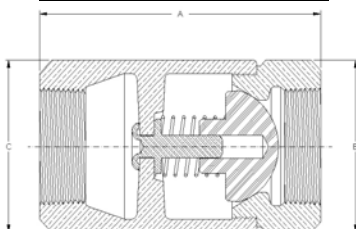
## MATERIAL SPECIFICATIONS

Part Name	Material
Body	C89836 <b>Lead Free*</b> Bronze
Retainer	C27450 <b>Lead Free*</b> Brass
Spring	AISI 316 Stainless Steel
Ball Cone Check	RPTFE, 15% Glass Filled
Stem	C27450 <b>Lead Free*</b> Brass

## PERFORMANCE RATING

Max Pressure: 400 psi / 125 psi Steam  
Max Temp: 350°F (176.6°C)

Flow Rate (Cv)	
1 psi Differential Pressure	
Size	GPM
¼"	.85
3/8"	1.21
½"	1.40
¾"	3.53
1"	6.00
1-1/4"	44
1-1/2"	65
2"	81
2-1/2"	175
3"	265



## APPLICATIONS

Well-suited for a broad range of applications, including saturated steam and chemical service. May be installed in both horizontal and vertical orientation with upward flow. Do not use for reciprocating air compressor service.

## OPTIONS\*\*

- ☐ MNPT x FNPT (61LF-200 Series)
- ☐ Soft Seat (61LF-500 Series)
- ☐ Solder x Solder (61LF-800 Series)
- ☐ 0 psig Cracking Pressure (No Spring)
- ☐ 5 psig Cracking Pressure (1/4"-1" Only)
- ☐ 10 psig Cracking Pressure (1/4"-1" Only)
- ☐ Oxygen Cleaned
- ☐ Satin Chrome Plate Finish
- ☐ OTHER \_\_\_\_\_

\*\* Consult factory for availability of LF Model options

## DIMENSIONS

Model Number	Item Number	Size	A MN PT	A	B	C	Wt. (Lb)
CVB14LF	61LF-101-01	¼"	2.38	2.06	1.12	1.12	.38
CVB38LF	61LF-102-01	3/8"	2.38	2.12	1.12	1.12	.38
CVB12LF	61LF-103-01	½"	2.56	2.31	1.12	1.12	.38
CVB34LF	61LF-104-01	¾"	3.12	2.87	2.37	1.50	.75
CVB1LF	61LF-105-01	1"	3.87	3.50	1.75	1.93	1.45
CVB114LF	61LF-106-01	1 ¼"	4.44	4.19	2.12	2.37	2.75
CVB112LF	61LF-107-01	1 ½"	5.18	4.94	2.50	2.81	3.94
CVB2LF	61LF-108-01	2"	6.50	6.00	3.00	3.68	6.30
CVB212LF	61LF-109-01	2 ½"		7.12	3.87	4.50	14.0
CVB3LF	61LF-100-01	3"		8.13	5.31	4.63	16.6

**\*LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB 1953 and VT S.152. ANSI 3<sup>rd</sup> party certified and listed.

Conbraco Industries, Inc. 701 Matthews Mint Hill Rd. Matthews NC 28105 USA ; [www.apollovalves.com](http://www.apollovalves.com) ; 704-841-6000

Conbraco Industries can accept no responsibility for possible errors in this document and reserves the right to alter its product design or construction without notice and without incurring any obligation to make such changes on Conbraco products previously or subsequently sold. All product specifications are approximate and are provided for reference only.