



Lead Free*

MODEL CVB-LF IN-LINE SPRING 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

- 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
- NSF/ANSI 61-8, Annex G
- NSF 372 **Lead Free*** ANSI 3RD Party Certified
- Made in the USA

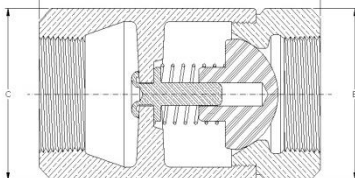
MATERIAL SPECIFICATIONS

| Part Name | Material |
|-----------------|---------------------------------|
| Body | C89836 Lead Free* Bronze |
| Retainer | C27451 Lead Free* Brass |
| Spring | AISI 316 Stainless Steel |
| Ball Cone Check | RPTFE, 15% Glass Filled |
| Stem | C27451 Lead Free* 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 potable water, 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-600 Series)
- (-A1) 0 psig Cracking Pressure (No Spring)
- (-E05) 5 psig Cracking Pressure (1/4"-1" Only)
- (-E10) 10 psig Cracking Pressure (1/4"-1" Only)
- (-57) Oxygen Cleaned
- (-17) Satin Chrome Plate Finish
- OTHER _____

DIMENSIONS

| Model Number | Item Number | Size | A MNPT | 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 AB1953, VT Act 193, MD HB372, LA HB471 and Federal Public Law 111-380.

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