



**61LF-100**  
**FEMALE x FEMALE THREADED**  
**1/4" THROUGH 3"**



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

### DESCRIPTION

**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. They are well-suited for a broad range of applications, including saturated steam and chemical service. They may be installed in both horizontal and vertical orientation with upward flow. **Proudly made in the USA.**

### FEATURES

- Female NPT Sizes: 1/4" to 3"
- Bubble-Tight Shut-Off, Ideally Suited for Gaseous Service
- Straight-Through Flow Minimizes Pressure Loss
- 1/2 psi Cracking Pressure

### OPTIONS

- Soft Seat (61LF-500)
- Soft Seat Solder x Solder (61LF-600)
- (-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

**Note: Not all combinations available. Call customer service for more details.**

### PERFORMANCE RATING

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

### APPROVALS

- NSF/ANSI 61 Water Quality
- NSF/ANSI 372 Lead Free
- RoHS Compliant (61LF and 62 Series)
- ARRA Compliant

### STANDARD MATERIALS LIST

<b>BODY</b>	Lead Free Bronze, C89836
<b>RETAINER</b>	(1/4" - 1-1/4") Lead Free Brass, C27451 (1-1/2" - 3") Lead Free Bronze, C89836
<b>SEAT</b>	RPTFE, 15% Glass Filled
<b>GUIDE PIN</b>	Stainless Steel
<b>SPRING</b>	Stainless Steel
<b>CHECK</b>	Lead Free Brass, C27451
<b>GUIDE</b>	Lead Free Brass, C27451

**NOTE: Not recommended for use with reciprocating pumps and similar applications. Low flows may result in undesirable noise and premature wear.**

### PART NO. MATRIX

61LF	- X	X	X	- XX
TYPE	CHECK	SPRING TYPE	SIZE (IN.)	OPTIONS
LEAD FREE BRONZE	1 - BALL CONE (NPT-F x F)	0 - .5 PSIG CRACKING PRESSURE	1 - 1/4"	01 - STANDARD
	0 - BALL CONE REPAIR KIT	2 - .2 PSIG CRACKING PRESSURE	2 - 3/8"	17 - SATIN CHROME PLATED
			3 - 1/2"	57 - OXYGEN CLEANED
			4 - 3/4"	A1 - LESS SPRING
			5 - 1"	E05 - 5 PSIG OPENING PRESSURE*
			6 - 1-1/4"	E10 - 10 PSIG OPENING PRESSURE*
			7 - 1-1/2"	
			8 - 2"	
			9 - 2-1/2"	
			0 - 3"	

\*Available in 1/4" through 1" only.

(Note: Not all combinations are available. Contact Customer Service for verification.)

\*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.

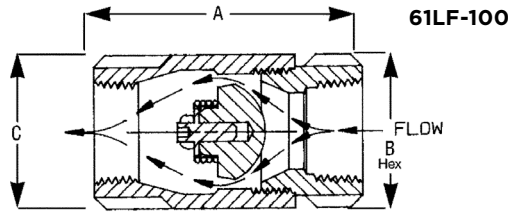
## 61LF-100 Series

In-line Check Valve

**LEAD FREE**

### DIMENSIONS

PART NO.	SIZE	DIMENSIONS (IN.)			WT./100 (LB.)
		A	B	C	
61LF-101-01	1/4"	2.06	1.12	1.12	38
61LF-102-01	3/8"	2.12	1.12	1.12	37
61LF-103-01	1/2"	2.31	1.12	1.12	36
61LF-104-01	3/4"	2.87	1.37	1.50	75
61LF-105-01	1"	3.50	1.75	1.93	145
61LF-106-01	1-1/4"	4.18	2.12	2.37	275
61LF-107-01	1-1/2"	4.93	2.50	2.81	394
61LF-108-01	2"	6.00	3.00	3.68	630
61LF-109-01	2-1/2"	7.00	3.50	4.50	1400
61LF-100-01	3"	8.12	4.12	5.31	1665



### FLOW RATE (C<sub>v</sub>)

SIZE	GPM
1/4"	0.85
3/8"	1.21
1/2"	1.4
3/4"	3.53
1"	6
1-1/4"	44
1-1/2"	65
2"	81
2-1/2"	175
3"	265

GPM=gallons per minute at 1 psi pressure differential.

C<sub>v</sub> - expresses the flow capacity in gallons per minute (GPM) of 60°F water with a pressure drop of 1 psi (lb/in<sup>2</sup>).