



61LF-500
FEMALE x FEMALE THREADED
1/4" THROUGH 2"



61LF-600
SOLDER
1/2" THROUGH 2"



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

DESCRIPTION

The Apollo® CVBE "Soft Seat" Check Valve offer reliable tight shut-off protection against reverse flow and corrosion resistance using proven ASTM quality materials made in the USA. Ideally suited for potable water, hydronic heating and other low flow applications. Soft seat allows more resistance to vibration and may be installed in both horizontal and vertical upward flow applications.

FEATURES

- Female NPT: 1/4" to 2"
- Solder: 1/2" to 2"
- Bubble-Tight Shut-Off, Ideally Suited for Gaseous Service
- EPDM Check Disc (61LF-500 Standard)
- Straight-Through Flow Minimizes Pressure Loss
- 1/2 psi Cracking Pressure
- **Made in the USA**

OPTIONS

- Soft Seat (61-500)
- Solder x Solder Soft Seat (61-600)
- (-B1) Nitrile Seat
- (-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

- 400 psig CWP Non-Shock @ 100°F

APPROVALS

- NSF /ANSI 61 Water Quality
- NSF/ANSI 372 Lead Free
- RoHS Compliant
- ARRA Compliant
- CRN OC11218.5C

STANDARD MATERIALS LIST

BODY	Lead Free Bronze, C89836
RETAINER	(1/4" - 1-1/4") Lead Free Brass, C27451 (1-1/2" - 2") Lead Free Bronze, C89836
SEAT	EPDM
GUIDE PIN	Stainless Steel
SPRING	Stainless Steel
CHECK	Lead Free Brass, ASTM C27451
GUIDE	Lead Free Brass, ASTM 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

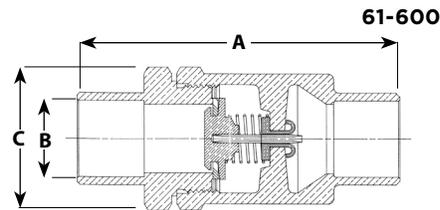
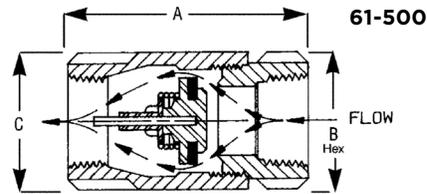
61LF	- X	X	X	- XX
TYPE	CHECK	SPRING TYPE	SIZE (IN.)	OPTIONS
LEAD FREE BRONZE	5 - SOFT SEAT (FNPT X FNPT)	0 - .5 PSIG CRACKING PRESSURE	1 - 1/4"	01 - STANDARD (EPDM SEAT)
	6 - SOFT SEAT (SOLDER)	2 - .2 PSIG CRACKING PRESSURE	2 - 3/8"	17 - SATIN CHROME PLATED
	9 - SOFT SEAT REPAIR KIT		3 - 1/2"	57 - OXYGEN CLEANED
	(EPR ONLY)		4 - 3/4"	A1 - LESS SPRING
			5 - 1"	B1 - NITRILE SEAT (BUNA-N)
			6 - 1-1/4"	V1 - VITON SEAT
			7 - 1-1/2"	E05 - 5 PSIG OPENING PRESSURE*
			8 - 2"	E10 - 10 PSIG OPENING PRESSURE*

*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.

DIMENSIONS

PART NO.	SIZE	DIMENSIONS (IN.)			WT./100 (LB.)
		A	B	C	
61-500 (FNPT)					
61LF-501-01	1/4"	2.31	1.12	1.12	38
61LF-502-01	3/8"	2.31	1.12	1.12	37
61LF-503-01	1/2"	2.31	1.12	1.12	36
61LF-504-01	3/4"	2.87	1.37	1.50	75
61LF-505-01	1"	3.50	1.75	1.93	145
61LF-506-01	1-1/4"	4.18	2.12	2.37	275
61LF-507-01	1-1/2"	4.93	2.50	2.81	394
61LF-508-01	2"	6.00	3.00	3.68	630
61-600 (SOLDER)					
61LF-603-01	1/2"	2.75	1.12	1.25	38
61LF-604-01	3/4"	3.68	1.50	1.62	75
61LF-605-01	1"	4.50	1.93	2.12	145
61LF-606-01	1-1/4"	6.11	2.13	2.38	330
61LF-607-01	1-1/2"	6.87	2.50	2.81	610
61LF-608-01	2"	7.46	3.38	3.75	1010



FLOW RATE (C_v)

SIZE	GPM	
	61LF-500	61LF-600
1/4"	0.85	-
3/8"	1.21	-
1/2"	1.4	2.20
3/4"	3.53	4.78
1"	6	6
1-1/4"	44	44
1-1/2"	65	65
2"	81	81

GPM=gallons per minute at 1 psi pressure differential

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