

61-500 & 61-600 SERIES IN-LINE SOFT SEAT CHECK VALVE



61-500
FEMALE X FEMALE THREADED
1/4" THROUGH 2"



61-600
FEMALE X FEMALE SWEAT
1/2" THROUGH 2"



The Apollo 61 Series check valve is ideally suited for hydronic heating and other low flow applications. The rugged bronze body and check provide reliable protection against reverse flow.

FEATURES

- Female NPT Sizes: 1/4" to 2"
- Solder Sizes: 1/2" to 1"
- Bubble-Tight Shut-Off, Ideally Suited for Gaseous Service
- NPT Threaded; 400 psig CWP Non-Shock @ 100°F
- EPDM Check Disc (61-500)
- Straight-Through Flow Minimizes Pressure Loss
- 1/2 psi Cracking Pressure
- RoHS Compliant (61LF and 62 Series)
- NSF/ANSI/CAN 61 - Water Quality (LF Models)
- NSF/ANSI/CAN 372 - Lead Free (LF Models)
- **Proudly Made in USA**

STANDARD MATERIALS LIST

BODY	Bronze, ASTM B584, UNS C84400 or Lead Free Bronze, C89836
RETAINER	(1/4" - 1-1/4") Brass, ASTM B16 or LF Brass, ASTM (1-1/2" - 3") Bronze, ASTM B584 or C89836
SEAT	EPDM
GUIDE PIN	Stainless Steel
SPRING	Stainless Steel
CHECK	Brass, ASTM B16 or Lead Free Brass, ASTM 27451
GUIDE	Brass, ASTM B16 or Lead Free Brass, ASTM 27451

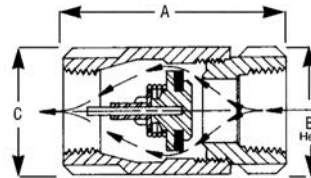
FLOW RATE (C_v)

SIZE	GPM	
	61-500	61-600
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

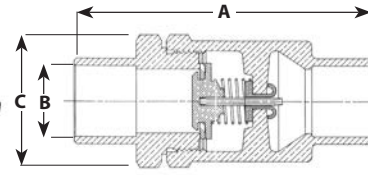
GPM=gallons per minute at
1 psi pressure differential

DIMENSIONS

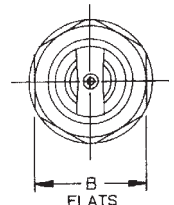
PART NO.	LF PART NO.	SIZE	DIMENSIONS (IN.)			WT./100
			A	B	C	
61-500 (FNPT)						
61-501-01	61LF-501-01	1/4"	2.31	1.12	1.12	38
61-502-01	61LF-502-01	3/8"	2.31	1.12	1.12	37
61-503-01	61LF-503-01	1/2"	2.31	1.12	1.12	36
61-504-01	61LF-504-01	3/4"	2.87	1.37	1.50	75
61-505-01	61LF-505-01	1"	3.50	1.75	1.93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



61-500



61-600



B FLATS

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

PART NO. MATRIX

61 x X	- X	X	X	- XX
TYPE	CHECK	SPRING TYPE	SIZE (IN.)	OPTIONS
61 - BRONZE	5 - SOFT SEAT (NPT-F X F)	0 - .5 PSIG CRACKING PRESSURE	1 - 1/4"	01 - STANDARD (EPDM SEAT)
61LF - LEAD FREE BRONZE	6 - SOFT SEAT (SOLDER)	2 - .2 PSIG CRACKING PRESSURE	2 - 3/8"	PO1 - BSPP THREAD (ISO 228)** (STD. MATERIALS ONLY)
	9 - SOFT SEAT REPAIR KIT (EPR ONLY)		3 - 1/2"	TO1 - BSPT THREAD (EN 10226)** (STD. MATERIALS ONLY)
			4 - 3/4"	17 - SATIN CHROME PLATED
			5 - 1"	57 - OXYGEN CLEANED
			6 - 1-1/4"	A1 - LESS SPRING
			7 - 1-1/2"	B1 - NITRILE SEAT (BUNA N)
			8 - 2"	V1 - VITON SEAT
				E05 - 5 PSIG OPENING PRESSURE*
				E10 - 10 PSIG OPENING PRESSURE*

*Available in 1/4" through 1" only. | **Minimums apply
(Note: Not all combinations are available. Contact Customer Service for verification.)