

61-100 & 61-200 SERIES IN-LINE BALL CONE® CHECK VALVE



61-100
FEMALE X FEMALE THREADED
1/4" THROUGH 3"



61-200
MALE X FEMALE THREADED
1/4" THROUGH 2"



The Apollo 61 Series check valve with rugged bronze body and patented design (U.S. Pat. No. 4,172,465) RPTFE ball-cone check provides reliable protection against reverse flow. It is spring-loaded for fast seating and center guided for optimum alignment.

FEATURES

- Standard 1/2 psi Cracking Pressure
- Tight Shut-Off with Liquid Media
- Male and Female NPT Inlet Options
- 400 psig CWP @ 100°F
- 125 psig Steam Rating @ 350°F max
- Straight-Through Flow Minimizes Pressure Loss
- ASTM B584 Bronze
- Lead Free Option 61LF (NSF/ANSI/CAN 61 & NSF/ANSI/CAN 372)
- **Proudly Made in USA**

DIMENSIONS

BRONZE FNPT X FNPT	LF BRONZE FNPT X FNPT	BRONZE MNPT X FNPT	SIZE	DIMENSIONS (IN.)			61-100 SERIES WT./100	61-200 SERIES WT./100
				A	B	C		
61-101-01	61LF-101-01	61-201-01	1/4"	2.06	1.12	1.12	38	38
61-102-01	61LF-102-01	61-202-01	3/8"	2.12	1.12	1.12	37	37
61-103-01	61LF-103-01	61-203-01	1/2"	2.31	1.12	1.12	36	36
61-104-01	61LF-104-01	61-204-01	3/4"	2.87	1.37	1.50	75	76
61-105-01	61LF-105-01	61-205-01	1"	3.50	1.75	1.93	145	145
61-106-01	61LF-106-01	61-206-01	1-1/4"	4.18	2.12	2.37	275	237
61-107-01	61LF-107-01	61-207-01	1-1/2"	4.93	2.50	2.81	394	381
61-108-01	61LF-108-01	61-208-01	2"	6.00	3.00	3.68	630	636
61-109-01	61LF-109-01	-	2-1/2"	7.00	3.50	4.50	1400	-
61-100-01	61LF-100-01	-	3"	8.12	4.12	5.31	1665	-

STANDARD MATERIALS LIST

BODY	Bronze, ASTM B584, UNS C84400 or Lead Free Bronze, C89836
RETAINER	(1/4" - 1-1/4") Brass, ASTM B16 or C27451 (1-1/2" - 3") Bronze, ASTM B584 or C89836
BALL CHECK	RPTFE
GUIDE	Brass, ASTM B16 or LF Brass, C27451
SPRING	Stainless Steel

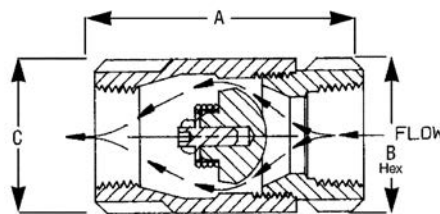
FLOW RATE (C_v)

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

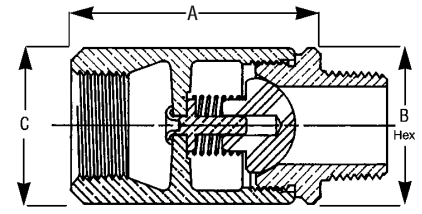
PRESSURE TEMPERATURE RATING

DEGREE (F)	PSIG
-20 TO 100	400
200	200
250	160
275	150
300	140
325	130
353	125

GPM=gallons per minute at 1 psi pressure differential



61-100



61-200

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	1 - BALL CONE (NPT-F X F)	0 - .5 PSIG CRACKING PRESSURE	1 - 1/4"	01 - STANDARD
61LF- LEAD FREE BRONZE	2 - BALL CONE (NPT-M X F)	2 - .2 PSIG CRACKING PRESSURE	2 - 3/8"	PO1 - BSPP THREAD** (STD. MATERIALS ONLY)
	0 - BALL CONE REPAIR KIT		3 - 1/2"	TO1 - BSPT THREAD** (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"	E05 - 5 PSIG OPENING PRESSURE*
			9 - 2-1/2"	E10 - 10 PSIG OPENING PRESSURE*
			0 - 3"	

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