

CHECK VALVES

Ball Cone® Check Valves

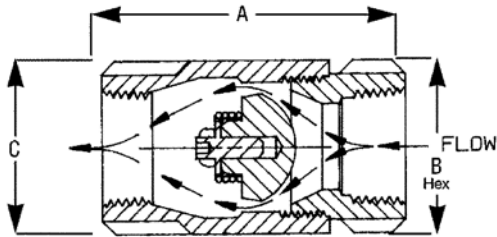
61 SERIES (MODEL CVB)



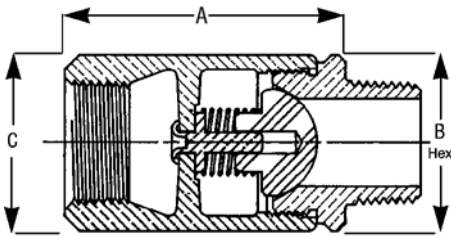
61-100
Female x Female Threaded
1/4" through 3"



61-200
Male x Female Threaded
1/4" through 2"



61-100



61-200

The Apollo Model CVB 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

- 1/2 psi opening pressure
- Tight shut-off with liquid media
- 400 psig CWP
- 125 psig steam rating @350°F max
- Straight-through design
- American-made construction
- CRN OC 11218.5C
- **Lead Free Option** (model 61LF)

MATERIALS OF CONSTRUCTION

Body	Bronze - ASTM B584, UNS Alloy C84400
Retainer	Brass - ASTM B16, (1/4" – 1") Bronze - ASTM B584, (1-1/4" – 3")
Ball Check	RPTFE - Reinforced Teflon™
Guide	Brass - ASTM B16
Spring	Stainless Steel

Flow Rate (Cv)	
GPM=gallons per minute at 1 psi pressure differential	
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 Ratings	
Degree (F)	PSIG
-20 to 100	400
200	200
250	160
275	150
300	140
325	130
353	125

NOTE: Not recommended for use with reciprocating pumps and similar applications. Low flows may result in undesirable noise and premature valve failure. See page 6 for additional precautions.

Dimensional Specifications

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	-

