

# CHECK VALVES

## Ball Cone® Check Valves

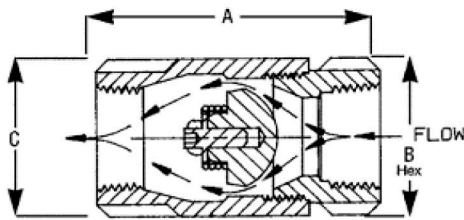
### 61 SERIES (MODEL CVB)



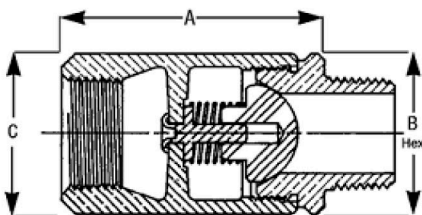
**61-100**  
Female x Female Threaded  
1/4" through 3"



**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. (Kg)	61-200 Series Wt. (Kg)
				A	B	C		
61-101-01	61LF-101-01	61-201-01	1/4"	2.06	1.12	1.12	0.17	0.17
61-102-01	61LF-102-01	61-202-01	3/8"	2.12	1.12	1.12	0.17	0.17
61-103-01	61LF-103-01	61-203-01	1/2"	2.31	1.12	1.12	0.16	0.16
61-104-01	61LF-104-01	61-204-01	3/4"	2.87	1.37	1.50	0.34	0.34
61-105-01	61LF-105-01	61-205-01	1"	3.50	1.75	1.93	0.66	0.66
61-106-01	61LF-106-01	61-206-01	1-1/4"	4.18	2.12	2.37	0.79	1.07
61-107-01	61LF-107-01	61-207-01	1-1/2"	4.93	2.50	2.81	1.79	1.73
61-108-01	61LF-108-01	61-208-01	2"	6.00	3.00	3.68	2.86	2.88
61-109-01	61LF-109-01	-	2-1/2"	7.00	3.50	4.50	6.35	-
61-100-01	61LF-100-01	-	3"	8.12	4.12	5.31	7.55	-

www.apollovalves.com

Customer Service (704) 841-6000

