

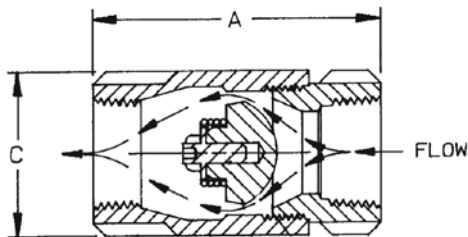
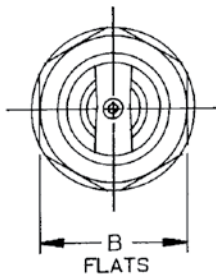
CHECK VALVES

Ball Cone® Check Valves

62 SERIES (MODEL CVS)



62-100
Female x Female Threaded
1/4" through 2"



The Apollo Model CVS is uniquely suited for applications in corrosive environments, including chemical processing, pulp and paper and other process industries. The rugged stainless steel body and RPTFE ball cone check provide reliable, patented protection against reverse flow.

FEATURES

Unique (U.S. Patent #4,172,465) ball cone design provides tight shutoff in reverse flow conditions. The body of the valve is investment cast stainless steel for longer life in severe environments. It is spring-loaded for fast seating action and center guided so that radial alignment is never needed. Straight-through flow minimizes velocity change. It is rated 400 psig CWP, cold non-shock; 125 psig saturated steam. Opening pressure 1/2 psig.

MATERIALS OF CONSTRUCTION

Body	Stainless Steel - ASTM A351, CF8M
Retainer	Stainless Steel - ASTM A276, 316 (1/4" - 1") Stainless Steel - ASTM A351, CF8M (1-1/4" - 2")
Ball Check	RPTFE - Reinforced Teflon™
Guide	Stainless Steel - ASTM A276, 316
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

Pressure Temperature Ratings	
Degree (F)	PSIG
-20 to 100	400
200	200
250	160
275	150
300	140
325	130
353	125

Dimensional Specifications

Item Number	Size	A	B	C	Wt./100
62-101-01	1/4"	2.06	1.12	1.12	38
62-102-01	3/8"	2.12	1.12	1.12	37
62-103-01	1/2"	2.31	1.12	1.12	36
62-104-01	3/4"	2.87	1.37	1.50	75
62-105-01	1"	3.50	1.75	1.93	145
62-106-01	1-1/4"	4.18	2.12	2.37	237
62-107-01	1-1/2"	4.93	2.50	2.81	381
62-108-01	2"	6.00	3.00	3.68	636

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.