

In-Line Check Valves

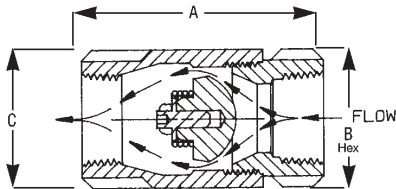
61-100 Series



Bronze Ball Cone® Check Valves

Well-suited for a broad range of applications, including 125 psig saturated steam. The rugged bronze body and RPTFE ball check provide reliable, patented protection against reverse flow.

- Female x Female Threaded 1/4" through 3"
- Unique (U.S. Patent # 4,172,465) design
- Tight shut-off in reverse flow conditions
- Spring-loaded for fast seating action
- Center guided so that radial alignment is never needed
- Straight-through flow minimizes velocity change
- Rated 400 psig WOG



Model Number	Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
		A	B	C	
61-101-01	1/4	2.06	1.12	1.12	38
61-102-01	3/8	2.12	1.12	1.12	38
61-103-01	1/2	2.31	1.12	1.12	38
61-104-01	3/4	2.87	1.37	1.50	75
61-105-01	1	3.50	1.75	1.93	145
61-106-01	1 1/4	4.18	2.12	2.37	275
61-107-01	1 1/2	4.93	2.50	2.81	394
61-108-01	2	6.00	3.00	3.68	630
61-109-01	2 1/2	7.00	3.50	4.50	1400
61-100-01	3	8.12	4.12	5.31	1665

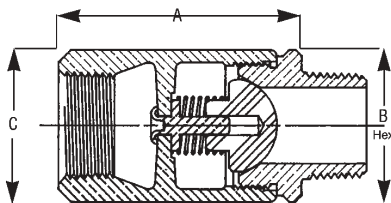
61-200 Series



Bronze Ball Cone® Check Valves

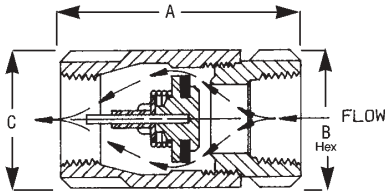
Ideally suited for a broad range of applications, including 125 psig saturated steam. The rugged bronze body and RPTFE ball check provide reliable, patented protection against reverse flow.

- Male x Female Threaded 1/4" through 2"
- Unique (U.S. Patent # 4,172,465) design
- Tight shut-off in reverse flow conditions
- Spring-loaded for fast seating action
- Center guided so that radial alignment is never needed
- Straight-through flow minimizes velocity change
- Rated 400 psig WOG



Model Number	Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
		A	B	C	
61-201-01	1/4	2.38	1.12	1.12	38
61-202-01	3/8	2.38	1.12	1.12	38
61-203-01	1/2	2.56	1.12	1.12	38
61-204-01	3/4	3.12	1.37	1.50	75
61-205-01	1	3.87	1.75	1.93	145
61-206-01	1-1/4	4.44	2.12	2.37	275
61-207-01	1-1/2	5.18	2.50	2.81	394
61-208-01	2	6.50	3.00	3.68	630

62-100 Series



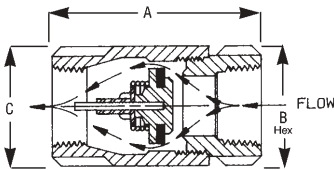
Stainless Steel Ball Cone® Check Valves

The 62-100 Series 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 check provide reliable, patented protection against reverse flow.

- Female x Female Threaded 1/4" through 2"
- Unique (U.S. Patent # 4,172,465) design
- Longer life in severe environments
- Spring-loaded for fast seating action
- 125 psig saturated steam
- Center guided so that radial alignment is never needed
- Straight-through flow minimizes velocity change
- Rated 400 psig WOG, cold non-shock

Model Number	Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
		A	B	C	
62-101-01	1/4	2.06	1.12	1.12	38
62-102-01	3/8	2.12	1.12	1.12	38
62-103-01	1/2	2.31	1.12	1.12	38
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

61-500 & 62-500 Series



Soft Seat Check Valves

Fabricated with stainless steel springs and elastomeric seats. No radial alignment is needed. Exceptional resistance to chemicals and corrosion. Spring is fully shielded from flow.

- Bronze sizes: 1/4" to 2"
- Stainless steel sizes: 1/4" to 1"
- Bubble-tight shut-off, ideally suited for gaseous service
- Straight-through design minimizes flow changes
- NPT threaded; 400 psig WOG
- Retainer is notched for easy identification
- Check is spring loaded for fast seating action; approximate opening pressure 1/2 psi
- See "PRECAUTIONARY NOTE"

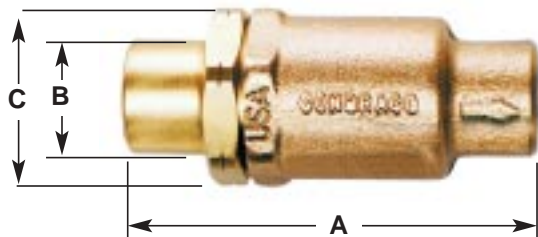
Bronze FNPT x FNPT	SS Ball Cone FNPT x FNPT	Size(in.)	Dimensions (in.)			61 Series Wt./100	62 Series Wt./100
			A	B	C		
61-501	62-501	1/4	2.312	1.125	1.125	38	38
61-502	62-502	3/8	2.312	1.125	1.125	38	38
61-503	62-503	1/2	2.312	1.125	1.125	38	38
61-504	62-504	3/4	2.875	1.375	1.500	75	75
61-505	62-505	1	3.500	1.750	1.937	145	150
61-506	-	1-1/4	4.187	2.125	2.375	275	-
61-507	-	1-1/2	4.937	2.500	2.812	394	-
61-508	-	2	6.000	3.000	3.687	630	-

61-600 Series

Solder End Soft Seat Check Valves

All bronze with stainless steel springs and elastomeric seats. No radial alignment is needed. Exceptional resistance to corrosion. Spring fully shielded from flow.

- Sizes: 1/2" to 2"
- Bubble-tight shut-off, ideally suited for gaseous service
- Straight-through design minimizes flow changes
- Solder end; 400 psig WOG
- Check is spring loaded for fast seating action; approximate opening pressure 1/2 psi
- See "PRECAUTIONARY NOTE"
- Retainer is notched for easy identification



Model Number	Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
		A	B	C	
61-603	1/2	2.75	1.12	1.25	138
61-604	3/4	3.68	1.20	1.62	175
61-605	1	4.50	1.93	2.12	145
61-606	1-1/4	6.11	2.13	2.38	330
61-607	1-1/2	6.87	2.50	2.81	610
61-608	2	7.46	3.38	3.75	1010

61-700 Series

Brass NPT "Mini" Check Valves

Ideally suited for all OEM applications where space is a premium. Excellent for use on water and air. They feature a bubble-tight soft seat design with a very light loaded stainless steel spring.



Model Number	Size (in.)	Dimensions (in.)			Wt./100 (lbs.)
		A	B	C	
61-701-01	1/4	1.72	0.81	0.92	22
61-702-01	3/8	1.79	0.93	1.05	29
61-703-01	1/2	2.02	1.06	1.17	38
61-704-01	3/4	2.50	1.25	1.40	54
61-705-01	1	2.95	1.62	1.76	110

Precautionary Note

Not recommended for use with reciprocating pumps and similar applications which may induce repetitious vibrations. Low flow rates which do not fully open the valve, may result in undesirable noise and premature valve failure. Upstream flow disturbances, which create turbulence, may also result in rapid wear. Therefore, it is recommended that a minimum of 10 diameters of straight pipe be provided between the check valve and any upstream flow disturbances such as pumps, control valves, elbows, etc.

