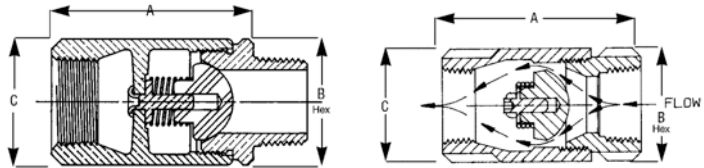


IN-LINE CHECK VALVES 61-100/200 SERIES

In-Line Check Valves CVB (61-100 & 61-200) Series

Ball Cone® Check Valves

Patented design (U.S. Pat. No. 4,172,465) with reinforced RPTFE ball-cone check and stainless steel springs, these valves offer reliable protection against reverse flow and exceptional resistance to chemicals and corrosion. No radial alignment is needed.



FEATURES

- 1/2" psi opening pressure
- Bronze sizes from 1/4" to 3"
- Tight shut-off with liquid media
- 400 psig CWP
- 125 psig steam rating @ 350°F max
- Straight-through design minimizes velocity changes
- ASTM B584 Bronze
- American-made construction
- Numerous options are available
- 61LF Lead Free* option

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Type	Check	Spring Type	Size	Options
1- Bronze	1- Ball Cone (NPT-F x F)	0-5 psig Cracking Pressure	1- 1/4"	01 - Standard
2- Stainless Steel	2- Ball Cone (NPT-M x F)	2-2 psig Cracking Pressure	2- 3/8"	17 - Satin Chrome Plated
	5- Soft Seat (NPT-F x F)		3- 1/2"	57 - Oxygen Cleaned
	6- Soft Seat (Sweat F x F)		4- 3/4"	A1 - Less Spring
	9- Soft Seat Repair Kit (EPR only)		5- 1"	B1 - Nitrile Seat*
	0- Ball Cone Repair Kit		6- 1-1/4"	P01 - BSPP Thread
			7- 1-1/2"	T01 - BSPT Thread
			8- 2"	E05 - 5 psig Opening Pressure*
			9- 2-1/2"	E10 - 10 psig Opening Pressure*
			0- 3"	V1 - Viton Seat*

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

Flow Rate (C _v)	
GPM=gallons per minute	
all 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

Bronze FNPT x FNPT		Bronze MNPT x FNPT		Size	Dimensions (in.)			61 Series Wt./100	62 Series Wt./100
A	B	C	A	B	C	Wt./100	Wt./100		
61-101-01	61-201-01	1/4	2.06	1.12	1.12	38.0	38.3		
61-102-01	61-202-01	3/8	2.12	1.12	1.12	38.0	37.3		
61-103-01	61-203-01	1/2	2.31	1.12	1.12	38.0	36.3		
61-104-01	61-204-01	3/4	2.87	1.37	1.50	75.0	76.6		
61-105-01	61-205-01	1	3.50	1.75	1.93	145.0	145.0		
61-106-01	61-206-01	1 1/4	4.18	2.12	2.37	275.0	237.5		
61-107-01	61-207-01	1 1/2	4.93	2.50	2.81	394.0	381.3		
61-108-01	61-208-01	2	6.00	3.00	3.68	630.0	636.0		
61-109-01	-	2 1/2	7.00	3.50	4.50	1400.0	-		
61-100-01	-	3	8.12	4.12	5.31	1665.0	-		

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.