



MODEL CVB

IN-LINE CHECK VALVE

(61-100/200 Series)

Job Name:	Contractor:
Job Location:	P.O. Number:
Engineer:	Representative:
Tag:	Wholesale Distributor:

DESCRIPTION

The Apollo® CVB Ball Cone® check valves offer reliable protection against reverse flow and exceptional resistance to chemicals and corrosion using proven ASTM quality materials made in the USA.

FEATURES

- FNPT and MNPT Inlet Option
- Spring Actuated
- Bronze Sizes 1/4" to 3"
- Tight Shut-off With Liquid Media
- Flow Straight-through Design Efficiency
- RPTFE Ball Cone® for Chemical Resistance
- Made in the USA
- Canadian Registration Number 0C11218.5C

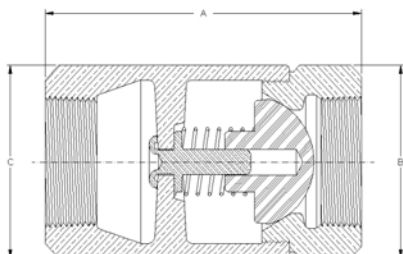
MATERIAL SPECIFICATIONS

Part Name	Material
Body	Cast Bronze C84400
Retainer	ASTM B16 Brass
Spring	AISI 316 Stainless Steel
Ball Cone Check	RPTFE, 15% Glass Filled
Stem	ASTM B16 Brass

PERFORMANCE RATING

Max Pressure: 400 psi / 125 psi Steam
Max Temp: 350°F (176.6°C)

Flow Rate (Cv)	
1 psi Differential Pressure	
Size	GPM
1/4"	.85
3/8"	1.21
1/2"	1.40
3/4"	3.53
1"	6.00
1-1/4"	44
1-1/2"	65
2"	81
2-1/2"	175
3"	265



APPLICATIONS

Well-suited for a broad range of applications, including saturated steam and chemical service. May be installed in both horizontal and vertical flow with upward flow. Do not use for reciprocating air compressor service.

OPTIONS

- ☐ FNPT x FNPT (61-100 Series)
- ☐ MNPT x FNPT (61-200 Series)
- ☐ 0 psig Cracking Pressure (No Spring)
- ☐ 0.50 psig Cracking Pressure
- ☐ 5 psig Cracking Pressure (1/4"-1" Only)
- ☐ 10 psig Cracking Pressure (1/4"-1" Only)
- ☐ Oxygen Cleaned
- ☐ Satin Chrome Plate Finish
- ☐ BSPP Threads (1/2" – 1" Only)
- ☐ OTHER _____

DIMENSIONS

Model Number	Item Number	Size	A MNPT	A	B	C	Wt. (Lb)
CVB14	61-101-01	1/4"	2.38	2.06	1.12	1.12	.38
CVB38	61-102-01	3/8"	2.38	2.12	1.12	1.12	.38
CVB12	61-103-01	1/2"	2.56	2.31	1.12	1.12	.38
CVB34	61-104-01	3/4"	3.12	2.87	2.37	1.50	.75
CVB1	61-105-01	1"	3.87	3.50	1.75	1.93	1.45
CVB114	61-106-01	1 1/4"	4.44	4.19	2.12	2.37	2.75
CVB112	61-107-01	1 1/2"	5.18	4.94	2.50	2.81	3.94
CVB2	61-108-01	2"	6.50	6.00	3.00	3.68	6.30
CVB212	61-109-01	2 1/2"		7.12	3.87	4.50	14.0
CVB3	61-100-01	3"		8.13	5.31	4.63	16.6

Note: Model CVBM (61-200 Series) is a MNPT x FNPT connection.

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