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

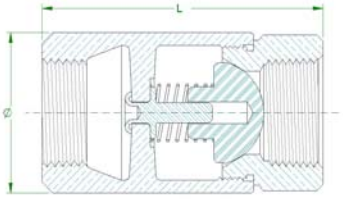
- FNPT and MNPT Inlet Option
- Spring Actuated
- Bronze Sizes ¼" to 3"
- Tight Shut-off With Liquid Media
- Flow Straight-through Design Efficiency
- RPTFE Ball Cone® for Chemical Resistance
- Made in the USA
- Canadian Registration Number 0C11218.5C

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 (2758 kPa)
125 psi (862 kPa) Steam
Max Temp: 350°F (176.6°C)



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 (3.45 kPa) Cracking Pressure
- ☐ 5 psig (34.47 kPa) Cracking Pressure (1/4"-1" Only)
- ☐ 10 psig (68.95 kPa) Cracking Pressure (1/4"-1" Only)
- ☐ Oxygen Cleaned
- ☐ Satin Chrome Plate Finish
- ☐ BSPP Threads (1/2" – 1" Only)
- ☐ OTHER _____

Note: Model CVBM (61-200 Series) is a MNPT x FNPT connection.
For liquids the flow coefficient - C_v - expresses the flow capacity in gallons per minute (GPM) of 60°F water with a pressure drop of 1 psi (lb/in^2).
Kv - the flow of water with temperature ranging 5 - 30 °C through a valve in cubic meters per hour (m^3/h) with a pressure drop of 1 bar

Model Number	Bronze FNPT x FNPT	Bronze MNPT x FNPT	Size	Length (in)	Length (mm)	Dia (in)	Dia (mm)	Wt. (Lb)	Wt. (kg)	Cv (1 psi) GPM	Kv (1 psi) Liters/Sec.
CVB14	61-101-01	61-201-01	¼"	2.06	52.32	1.12	28.45	.38	.17	.85	.05
CVB38	61-102-01	61-202-01	3/8"	2.12	53.85	1.12	28.45	.38	.17	1.21	.08
CVB12	61-103-01	61-203-01	½"	2.31	58.67	1.12	28.45	.38	.17	1.40	.09
CVB34	61-104-01	61-204-01	¾"	2.87	72.90	1.50	60.20	.75	.34	3.53	.22
CVB1	61-105-01	61-205-01	1"	3.50	88.90	1.75	44.45	1.45	.66	6.0	.38
CVB114	61-106-01	61-206-01	1-1/4"	4.18	106.17	2.12	53.85	2.75	1.25	44	2.77
CVB112	61-107-01	61-207-01	1-1/2"	4.94	125.48	2.50	63.50	3.94	1.79	65	4.10
CVB2	61-108-01	61-208-01	2"	6.00	152.40	3.00	76.20	6.30	2.85	81	5.11
CVB212	61-109-01	-	2-1/2"	7.00	177.8	3.87	98.29	14.0	6.35	175	11.04
CVB3	61-100-01	-	3"	8.12	206.25	5.31	134.87	16.6	7.52	265	16.71

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