



# MODEL CVBE

## SOFT SEAT CHECK VALVE

(61-500/600 Series)

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

### DESCRIPTION

The Apollo® CVBE "Soft Seat" check valves offer reliable tight shut-off protection against reverse flow and corrosion resistance using proven ASTM quality materials made in the USA.

### FEATURES

- Sizes 1/4" to 2" FNPT
- Sizes 1/2" to 2" Solder
- Resilient EPDM Soft Seat
- Superior Shut-off
- Spring Actuated
- Several Pressure Options
- Seat Material Options
- Made in the USA
- Canadian Registration Number 0C11218.5C

### MATERIAL SPECIFICATIONS (STD)

Part Name	Material
Body	Cast Bronze C84400
Retainer	ASTM B16 Brass
Spring	AISI 316 Stainless Steel
Seat	EPR/EPDM Rubber
Check	ASTM B16 Brass
Guide Pin	AISI 420 Stainless Steel

### PERFORMANCE RATING

Maximum Pressure: 400 psi (27.5 bar)  
 Maximum Temperature: EPDM 250°F (121°C)  
 Viton® 400°F (204°C)  
 Nitrile 250°F (121°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

Ideally suited for hydronic heating and other low flow applications. Soft seat allows more resistance to vibration and may be installed in both horizontal and vertical upward flow applications. Do not use in reciprocating air compressor service.

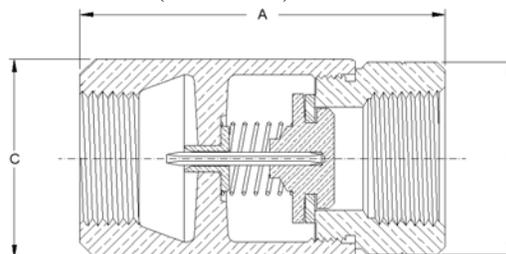
### OPTIONS

- FNPT (61-500 Series)
- Solder (61-600 Series)
- 0 psi Cracking Pressure (no spring)
- 0.5 psi Cracking Pressure (Standard)
- 5 psi Cracking Pressure (1/4"-1" Only)
- 10 psi Cracking Pressure (1/4"-1" Only)
- Nitrile Seat
- Viton® Fluoroelastomer Seat
- Oxygen Cleaned
- Satin Chrome finish
- BSPP Thread (1/2" – 1" Only)
- OTHER \_\_\_\_\_

### DIMENSIONS

Model Number	Item Number	Size	A Solder	A	B	C	Wt. (Lb)
CVBE14	61-501-01	1/4"	na	2.06	1.12	1.12	.38
CVBE38	61-502-01	3/8"	na	2.12	1.12	1.12	.38
CVBE12	61-503-01	1/2"	2.75	2.31	1.12	1.12	.38
CVBE34	61-504-01	3/4"	3.68	2.87	2.37	1.50	.75
CVBE1	61-505-01	1"	4.50	3.50	1.75	1.93	1.45
CVBE114	61-506-01	1 1/4"	6.11	4.18	2.12	2.37	2.75
CVBE112	61-507-01	1 1/2"	6.87	4.94	2.50	2.81	3.94
CVBE2	61-508-01	2"	7.46	6.00	3.00	3.69	6.30

Note: Model CVBES (61-600 Series) is Solder connection



Conbraco Industries, Inc. 701 Matthews Mint Hill Rd. Matthews NC 28105 USA ; [www.apollovalves.com](http://www.apollovalves.com) ; 704-841-6000

Conbraco Industries can accept no responsibility for possible errors in this document and reserves the right to alter its product design or construction without notice and without incurring any obligation to make such changes on Conbraco products previously or subsequently sold. All product specifications are approximate and are provided for reference only.