



MAX NON-SHOCK  
WORKING PSI

TEMPERATURE	PSI
150 °F	400
200 °F	370



## LEAD FREE

The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight. Material complies with state codes and standards, where applicable, requiring reduced lead content.

ITEM	PART NAME	MATERIAL	ASTM NO.
1	BODY	CAST IRON	A126 CL. B
2	SEAT	DUCTILE IRON	A536, Ni COAT
3	PLUG	DUCTILE IRON	A536, Ni COAT
4	SPRING	STAINLESS	T304
5	BUSHING	STAINLESS	T304
6	O-RING	EPDM	D2000
7	SCREW	STAINLESS	T304

### Notes:

Valve is designed for liquid service only. Install 5 to 10 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence. The intake side of CVO 900 series check valves must be mated to a ANSI B16.5 flat faced steel flange. The discharge side can be mated to a ANSI B16.5 flat faced steel flange, or for sizes 2-1/2" through 10", a wafer style butterfly valve without the use of spools or adaptors.



FOR ADDITIONAL FLOW STRAIGHTENING  
SEE THE VANE FLEX AT  
[www.metroflex.com/vaneflex](http://www.metroflex.com/vaneflex)

Valve complies with MSS-SP-125-2010.

2-1/2" valve trim is threaded into body.

Qty.	Part Number	Size I.D. (in)	A (in)	B (in)	C (in)	D (in)	E (in)	Cv*	Weight (Lbs)	Bolt Size (in)	Number Of Bolts
	CVODINC9525	2-1/2	7-1/2	5-1/2	5-7/8	1	1-7/16	110	25	3/4	8
	CVODINC953	3	8-1/4	6	6-5/8	1-1/8	1-3/8	155	34	3/4	8
	CVODINC954	4	10	7-1/4	7-7/8	1-1/4	1-3/4	278	59	3/4	8
	CVODINC955	5	11	8-1/2	9-1/4	1-3/8	2	435	74	3/4	8
	CVODINC956	6	12-1/2	9-3/4	10-5/8	1-7/16	2-1/2	625	100	3/4	12
	CVODINC958	8	15	12-1/2	13	1-5/8	3-1/4	1115	177	7/8	12
	CVODINC960	10	17-1/2	15-1/2	15-1/4	1-7/8	4-1/4	1770	255	1	16
	CVODINC962	12	20-1/2	14-1/4	17-3/4	2	**	2500	375	1-1/8	16

\*Cv is the number of U.S. gallons/minute of 60°F water that will flow through a valve with 1 PSI of pressure drop across the valve.

\*\*Plug stem protrudes 3/4" past end of valve in the full-open position.

PROJECT INFO	

CUSTOMER: \_\_\_\_\_

PROJECT: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

REV.	1	DRAWING REVISED	DATE 10/14/2013
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
<b>MODEL CVO900-250-12-DINC</b> 2.5" - 12" 250# GLOBE STYLE SILENT CHECK VALVE W/ NICKEL COATED DUCTILE IRON TRIM			
DRAWN BY: <b>DKISH</b>		DATE: <b>8/27/2013</b>	
APPROVED: <b>JC</b>		DATE: <b>8/27/2013</b>	
SCALE: <b>NONE</b>	DRAWING NUMBER: <b>CVO900-250-12-DINC</b>		