



MAX NON-SHOCK  
WORKING PSI

TEMPERATURE	CLASS 125	CLASS 250
150°F	200	400
200°F	190	370

**NSF 372 - 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. Not suitable for potable water systems due to materials of construction.

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	SCREW	STAINLESS	T304
7	O-RING	EPDM	D2000

**Notes:**

Valve is designed for liquid service only. Install 5 to 10 pipe diameters downstream from pump discharge or elbows to avoid flow turbulence. Valve is designed to be mated to ANSI B16.5 steel flanges.

Valve complies with MSS-SP-125-2010.

ANSI CLASS 125 & 250							
Qty.	Part Number	Size I.D. (in)	A (in)	B (in)	Cv*	Weight (Lbs)	Project Info
	CVODINC702	2	4-1/4	2-5/8	66	5	
	CVODINC7025	2-1/2	5	2-7/8	88	8	
	CVODINC703	3	5-3/4	3-1/8	130	11	
	CVODINC704	4	7	4	228	18	
	CVODINC705	5	8-3/8	4-3/4	350	27	
	CVODINC706	6	9-3/4	5-1/2	520	52	
ANSI CLASS 125 ONLY							
	CVODINC708	8	13-3/8	6-1/2	900	86	
	CVODINC710	10	16	8-1/4	1450	129	
ANSI CLASS 250 ONLY							
	CVODINC758	8	13-3/8	6-1/2	900	92	
	CVODINC760	10	16	8-1/4	1450	137	

\*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.



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

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

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

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

REV.	1	DRAWING REVISED	DATE 10/11/2013
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
<b>MODEL CVO700-DINC</b>			
WAFFER 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>CVO700-DINC</b>		