



## 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	STAINLESS	T304
3	PLUG	STAINLESS	T304
4	SPRING	STAINLESS	T304
5	BUSHING	STAINLESS	T304
6	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)	Pressure (PSI)	A (in)	B (in)	C (in)	D (in)	E (in)	Cv*	Weight (Lbs)	Bolt Size (in)	Number Of Bolts
	CVOSFM9025	2-1/2	175	7	5-1/2	5-1/2	11/16	1-3/16	110	20	5/8	4
	CVOSFM903	3	175	7-1/2	6	6	15/16	1-3/8	155	26	5/8	4
	CVOSFM904	4	175	9	7-1/4	7-1/4	15/16	1-3/4	278	44	5/8	8
	CVOSFM905	5	175	10	8-1/2	8-1/2	15/16	2	435	56	3/4	8
	CVOSFM906	6	175	11	9-3/4	9-1/2	1	2-1/2	625	79	3/4	8
	CVOSFM908	8	175	13-1/2	12-1/2	11-3/4	1-1/8	3-1/4	1115	137	3/4	8
	CVOSFM910	10	175	16	15-1/2	14-1/4	1-3/16	4-1/4	1770	223	7/8	12
	CVOSFM912	12	175	19	14-1/4	17	1-1/4	**	2500	298	7/8	12

\*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	

2	PRESSURE UPDATED	12/9/2013
REV. 1	DRAWING REVISED	DATE 10/14/2013

**Metroflex**  
for pipes in motion

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## MODEL CVO900-SS-FM

125# GLOBE STYLE SILENT CHECK VALVE W/ SS TRIM - FM APPROVED

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-SS-FM</b>

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

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

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