



**MAX NON-SHOCK WORKING PSI**

| TEMPERATURE | PSI |
|-------------|-----|
| 150 °F      | 400 |
| 200 °F      | 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      | 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 face steel flange or a wafer style butterfly valve without the use of spools or adapters.

Valve complies with MSS-SP-125-2010.

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



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

| 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 |
|------|-------------|----------------|--------|--------|--------|--------|--------|------|--------------|----------------|-----------------|
|      | CVOSS9525   | 2-1/2          | 7-1/2  | 5-1/2  | 5-7/8  | 1      | 1-7/16 | 110  | 25           | 3/4            | 8               |
|      | CVOSS953    | 3              | 8-1/4  | 6      | 6-5/8  | 1-1/8  | 1-3/8  | 155  | 34           | 3/4            | 8               |
|      | CVOSS954    | 4              | 10     | 7-1/4  | 7-7/8  | 1-1/4  | 1-3/4  | 278  | 59           | 3/4            | 8               |
|      | CVOSS955    | 5              | 11     | 8-1/2  | 9-1/4  | 1-3/8  | 2      | 435  | 74           | 3/4            | 8               |
|      | CVOSS956    | 6              | 12-1/2 | 9-3/4  | 10-5/8 | 1-7/16 | 2-1/2  | 625  | 100          | 3/4            | 12              |
|      | CVOSS958    | 8              | 15     | 12-1/2 | 13     | 1-5/8  | 3-1/4  | 1115 | 177          | 7/8            | 12              |
|      | CVOSS960    | 10             | 17-1/2 | 15-1/2 | 15-1/4 | 1-7/8  | 4-1/4  | 1770 | 255          | 1              | 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.

| PROJECT INFO |
|--------------|
|              |
|              |
|              |

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

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

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

|                                                                                            |                                         |                                                                                                         |                 |
|--------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------|
| REV.                                                                                       | 1                                       | DRAWING REVISED                                                                                         | DATE 10/14/2013 |
|                                                                                            |                                         | 2323 W. HUBBARD ST.<br>CHICAGO, IL 60612<br>TEL: 312-738-3800<br>FAX: 312-738-0415<br>WWW.METRAFLEX.COM |                 |
| <b>MODEL CVO900-250-10-SS</b><br>2.5" - 10" 250# GLOBE STYLE SILENT CHECK VALVE W/ SS 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>CVO900-250-10-SS</b> |                                                                                                         |                 |