



MAX NON-SHOCK  
WORKING PSI

| TEMPERATURE | PSI |
|-------------|-----|
| 150°F       | 200 |
| 200°F       | 190 |

**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.

**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 complies with MSS-SP-125-2010.



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

| 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       |
| 7    | GROOVED END  | DUCTILE IRON | A395       |
| 8    | 150# GASKET  | GRAPHITE     | N/A        |
| 9    | THREADED ROD | CARBON STEEL | A307       |

| Qty. | Part Number | Valve Size (in) | A (in) | B (in) | Cv*  | Weight (Lbs) | Project Info |
|------|-------------|-----------------|--------|--------|------|--------------|--------------|
|      | CVGSS702    | 2               | 6      | 6      | 66   | 14           |              |
|      | CVGSS7025   | 2-1/2           | 6-1/4  | 7      | 88   | 20           |              |
|      | CVGSS703    | 3               | 6-7/16 | 7-1/2  | 130  | 26           |              |
|      | CVGSS704    | 4               | 8-1/8  | 9      | 228  | 42           |              |
|      | CVGSS705    | 5               | 11-1/4 | 10     | 350  | 60           |              |
|      | CVGSS706    | 6               | 12-1/4 | 11     | 520  | 79           |              |
|      | CVGSS708    | 8               | 13-3/4 | 13-1/2 | 900  | 152          |              |
|      | CVGSS710    | 10              | 16     | 16     | 1450 | 225          |              |

\*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.

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

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

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

|                                                       |                                  |                                                                                                         |  |
|-------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------|--|
| REV.                                                  | 1                                | WEIGHTS/DRAWING UPDATED DATE 11/25/2013                                                                 |  |
|                                                       |                                  | 2323 W. HUBBARD ST.<br>CHICAGO, IL 60612<br>TEL: 312-738-3800<br>FAX: 312-738-0415<br>WWW.METRAFLEX.COM |  |
| <b>MODEL CVG700-SS</b>                                |                                  |                                                                                                         |  |
| GROOVED-END WAFER 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>CVG700-SS</b> |                                                                                                         |  |