



MAX NON-SHOCK WORKING PSI

TEMPERATURE	PSI*
150 °F	150
200 °F	135

\*Sizes 14" and Up  
12" - 200/190PSI

**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



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

**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 and discharge sides of 12" through 42" CVO 900 series check valves must be mated to a ANSI B16.5 flat faced steel flange. The discharge side also must allow an interference clearance for the center shaft shown as dimension "F".

Valve complies with MSS-SP-125-2010.

Qty.	Part Number	Size I.D. (in)	A (in)	B (in)	C (in)	D (in)	E (in)	F (in)	Cv*	Weight (Lbs)	Bolt Size (in)	Number Of Bolts
	CVOSS912	12	19	14-1/4	17	1-1/4	20	3/4	2500	298	7/8	12
	CVOSS914	14	21	15-3/4	18-3/4	1-3/8	22	1-7/16	3400	375	1	12
	CVOSS916	16	23-1/2	17-5/8	21-1/4	1-7/16	25	2-1/4	4400	485	1	16
	CVOSS918	18	25	18-3/4	22-3/4	1-9/16	28	2-1/4	5600	585	1-1/8	16
	CVOSS920	20	27-1/2	20-5/8	25	1-11/16	31	2-15/16	6900	890	1-1/8	20
	CVOSS924	24	32	24	29-1/2	1-7/8	37	3-5/8	10000	1220	1-1/4	20
	CVOSS930	30	38-3/4	29-1/4	36	2-1/8	45	5	15400	2000	1-1/4	28
	CVOSS936	36	46	45	42-3/4	2-3/8	54	8	22400	4421	1-1/2	32
	CVOSS942	42	53	50	49-1/2	2-5/8	64	9-1/4	30400	N/A	1-1/2	36

\*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.	DATE
2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM	
<b>MODEL CVO900-125-42-SS</b> 12" - 42" 125# 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>CVO900-125-42-SS</b>