



2"-48" CVI BONDED SEAT SWING CHECK

BONDED SEAT SWING CHECK VALVE

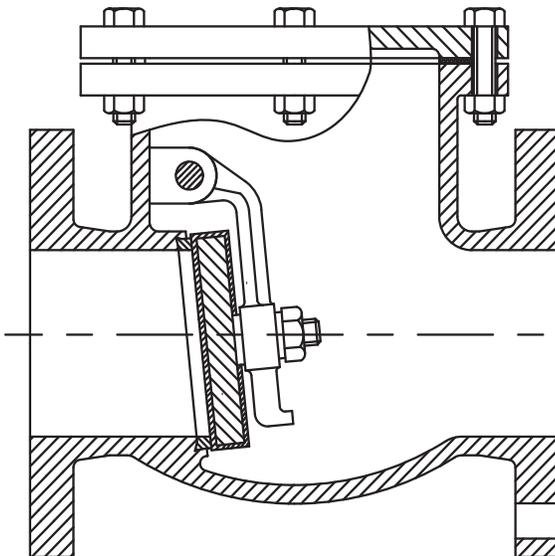
VSI offers the simplified bonded seat type check valve for pump and lift stations where a standard duty valve is acceptable and external accessories are not required. It still exemplifies VSI's commitment to providing a quality product

- Body seats are permanently bonded non-replaceable, reducing possible leakage paths.
- Disc seats are replaceable by way of replacing the entire disc
- The shaft extends only to one side reducing seal friction and possible leakage paths



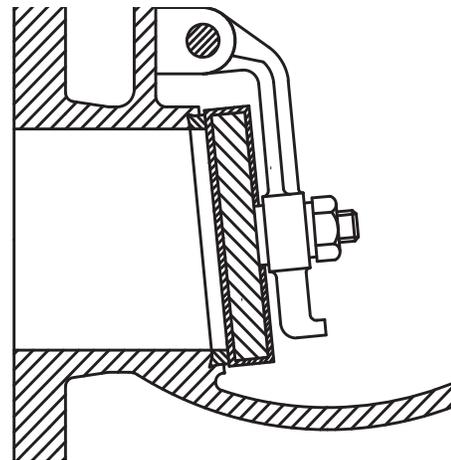
REBUILDABLE BODY

VSI Swing Check Valves are built with ductile iron, cast iron, or stainless steel. The valve features a large service port that allows for the service of all internal parts without removing the valve from the line.



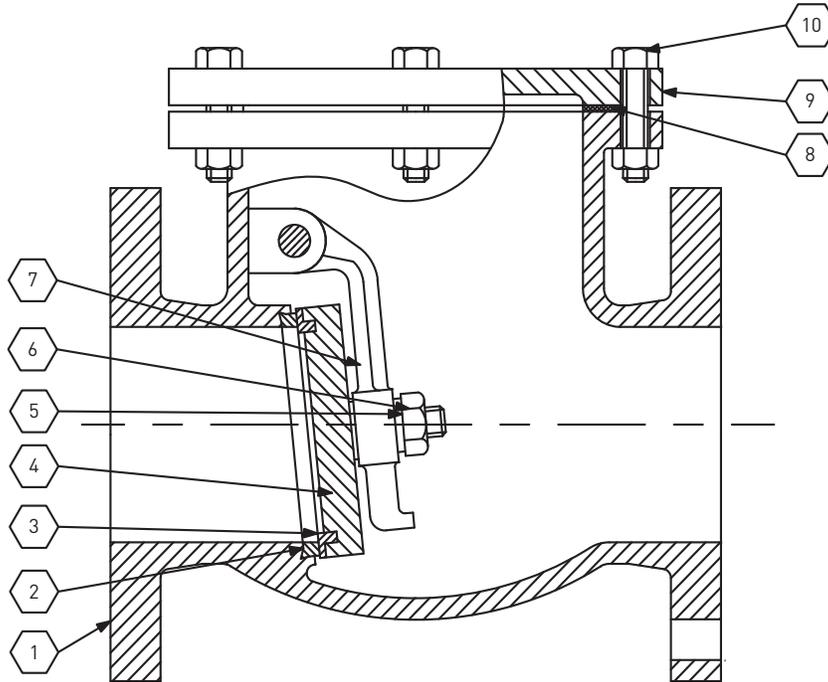
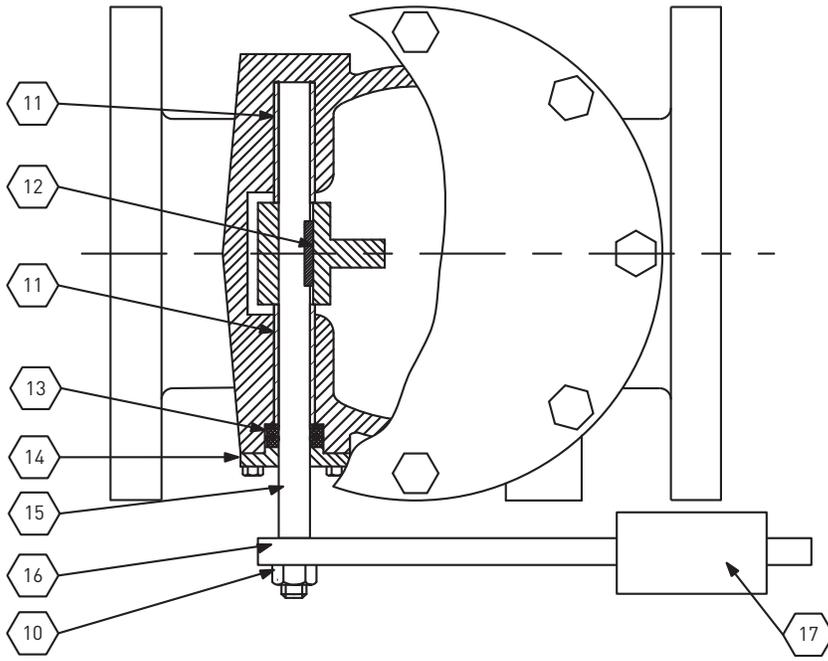
REPLACEABLE DISC

VSI Swing Check Valves incorporate a replaceable bonded seat, which can be removed without taking the valve out from the line. Simply remove the sealed cover, and change out the entire disc.





MATERIALS OF CONSTRUCTION METAL SEATED VALVES

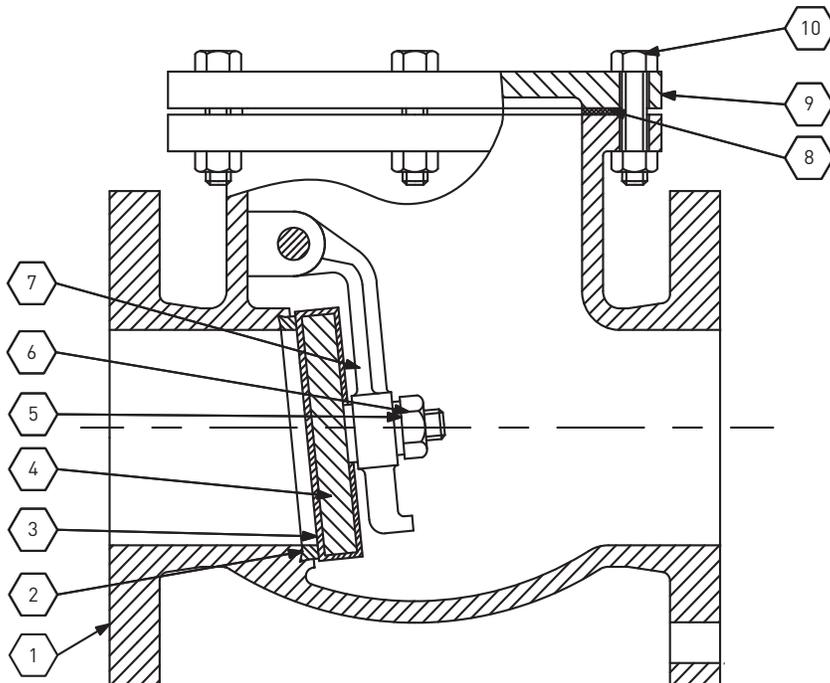
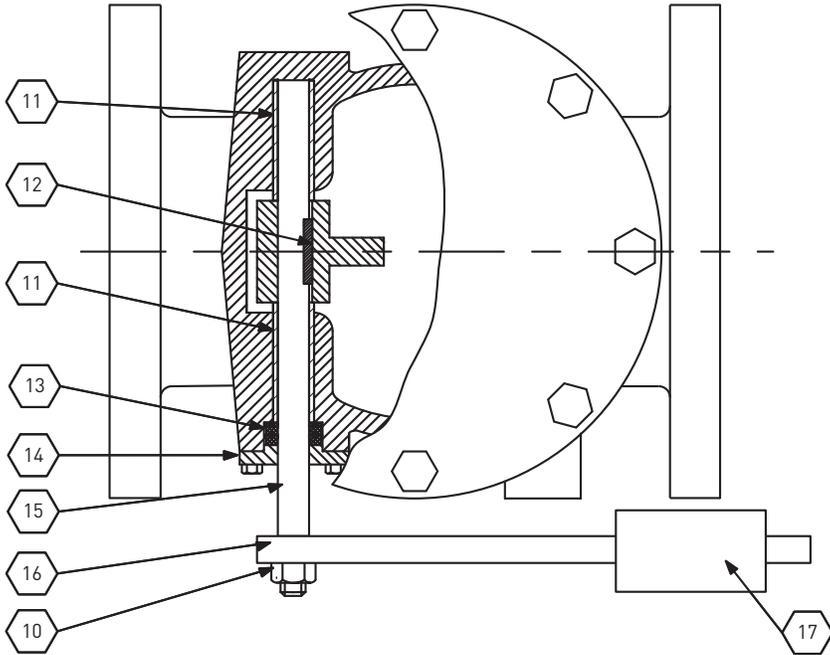


ITEM	DESCRIPTION	MATERIAL OPTIONS
1	BODY	DUCTILE IRON ASTM A536 65-45-12
2	BODY SEAT RING	STAINLESS 304 ASTM A276
		STAINLESS 316 ASTM A276
		BRONZE ASTM B62
3	DISC SEAT RING	STAINLESS 304 ASTM A276
		STAINLESS 316 ASTM A276
		BRONZE ASTM B62
4	DISC	DUCTILE IRON ASTM A536 65-45-12
5	WASHER	STEEL ASTM A36
6	WETTED HARDWARE	STAINLESS ASTM F593 GROUP 1
		STAINLESS ASTM F593 GROUP 2
		STEEL ASTM A325 TYPE 1
7	ARM	DUCTILE IRON ASTM A536 65-45-12
8	SEAL	EPDM
		BUNA-N (NBR)
9	COVER	SAME AS BODY (1)
10	EXTERIOR HARDWARE	STAINLESS ASTM F593 GROUP 1
		STAINLESS ASTM F593 GROUP 2
		STEEL ASTM A325 TYPE 1
11	BEARING	PTFE
12	KEY	STEEL ASTM A36
13	SHAFT SEAL	EPDM
		BUNA-N (NBR)
14	RETAINER	SAME AS BODY (1)
15	SHAFT	STAINLESS 304 ASTM A276
		STAINLESS 316 ASTM A276
		STAINLESS 17-4PH ASTM A693
16	ARM*	DUCTILE IRON ASTM A536 65-45-12
17	WEIGHT*	DUCTILE IRON ASTM A536 65-45-12

* IF EQUIPPED



MATERIALS OF CONSTRUCTION RUBBER SEATED



ITEM	DESCRIPTION	MATERIAL OPTIONS
1	BODY	DUCTILE IRON ASTM A536 65-45-12
2	BODY SEAT RING	STAINLESS 304 ASTM A276
		STAINLESS 316 ASTM A276
		BRONZE ASTM B62
3	DISC SEAT	EPDM
		BUNA-N (NBR)
		VITON (FPM)
4	DISC	DUCTILE IRON ASTM A536 65-45-12
5	WASHER	STEEL ASTM A36
6	WETTED HARDWARE	STAINLESS ASTM F593 GROUP 1
		STAINLESS ASTM F593 GROUP 2
		STEEL ASTM A325 TYPE 1
7	ARM	DUCTILE IRON ASTM A536 65-45-12
8	SEAL	EPDM
		BUNA-N (NBR)
9	COVER	SAME AS BODY (1)
10	EXTERIOR HARDWARE	STAINLESS ASTM F593 GROUP 1
		STAINLESS ASTM F593 GROUP 2
		STEEL ASTM A325 TYPE 1
11	BEARING	PTFE
12	KEY	STEEL ASTM A36
13	SHAFT SEAL	EPDM
		BUNA-N (NBR)
14	RETAINER	SAME AS BODY (1)
15	SHAFT	STAINLESS 304 ASTM A276
		STAINLESS 316 ASTM A276
		STAINLESS 17-4PH ASTM A693
16	ARM*	DUCTILE IRON ASTM A536 65-45-12
17	WEIGHT*	DUCTILE IRON ASTM A536 65-45-12

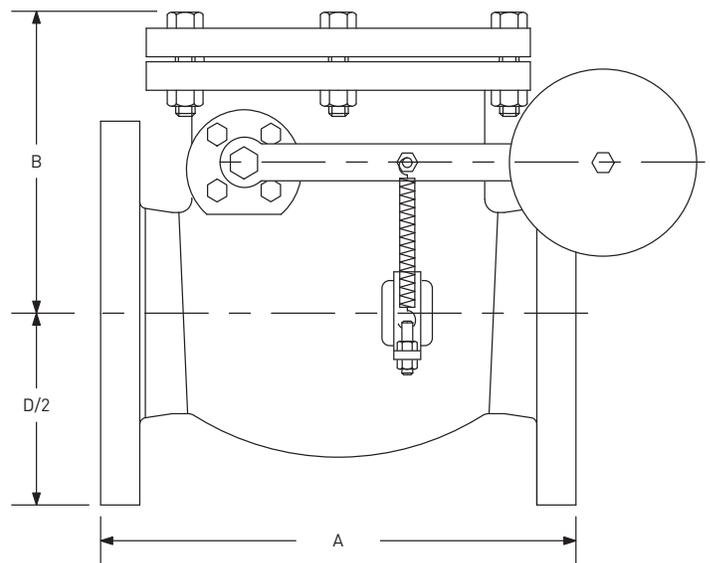
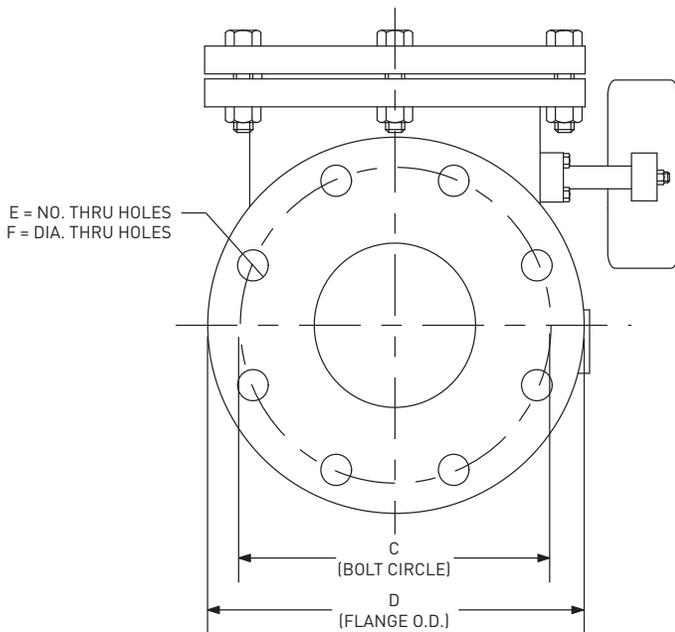
* IF EQUIPPED



FLANGED WITH OUTSIDE LEVER AND WEIGHT

SIZE	A	B	C	D	E	F	WEIGHT (LBS)
2"	8.00	5.4	4.75	6.0	4	0.75	37
2.5"	8.50	5.8	5.5	7.0	4	0.75	44
3"	9.50	6.3	6.00	7.2	4	0.75	51
4"	11.50	7.1	7.50	9.0	8	0.75	79
5"	13.00	8.0	8.50	10.0	8	0.75	101
6"	14.00	8.8	9.50	11.0	8	0.88	128
8"	19.50	10.2	11.75	13.5	8	0.88	238
10"	24.50	11.4	14.25	16.0	12	1.00	374
12"	27.50	12.8	17.00	19.0	12	1.00	418
14"	31.00	16.7	18.74	21.0	12	1.13	737
16"	36.00	17.5	21.25	23.5	16	1.13	968
18"	38.00	18.9	22.75	25.0	16	1.25	1500
20"	42.00	20.7	25.00	27.5	20	1.25	1600
24"	48.00	23.9	29.50	32.0	20	1.38	2600
30"	56.00	28.6	36.00	38.8	28	1.38	-
36"	63.00	37.0	42.75	46.0	32	1.63	-
42"	70.00	41.0	49.50	53.0	36	1.63	-
48"	76.00	49.0	56.00	49.5	44	1.63	-

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CAST EMBOSSED ON VALVE BODY:

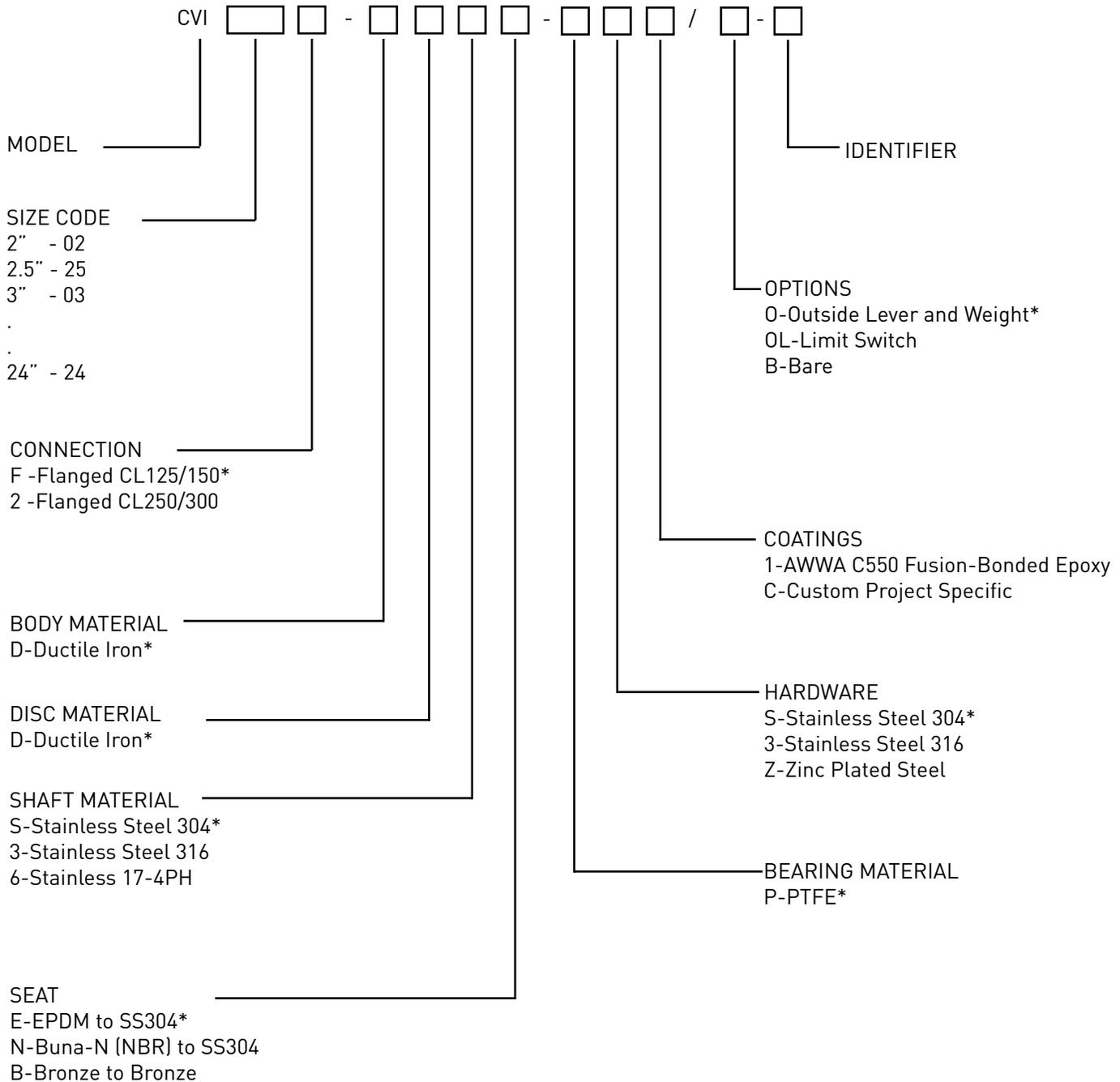
VSI
CASTING YEAR
175 PSI (2"-12")
150 PSI (14"-48")
AWWA C508
POUR IDENTIFIER

NOTES:

- 1) FLANGES PER ASME/ANSI B16.1 CL125 AND B16.5 CL150
- 2) VALVE MANUFACTURED & TESTED IN ACCORDANCE WITH AWWA C508 LATEST REVISION



BONDED SEAT SWING CHECK PART NUMBER MATRIX

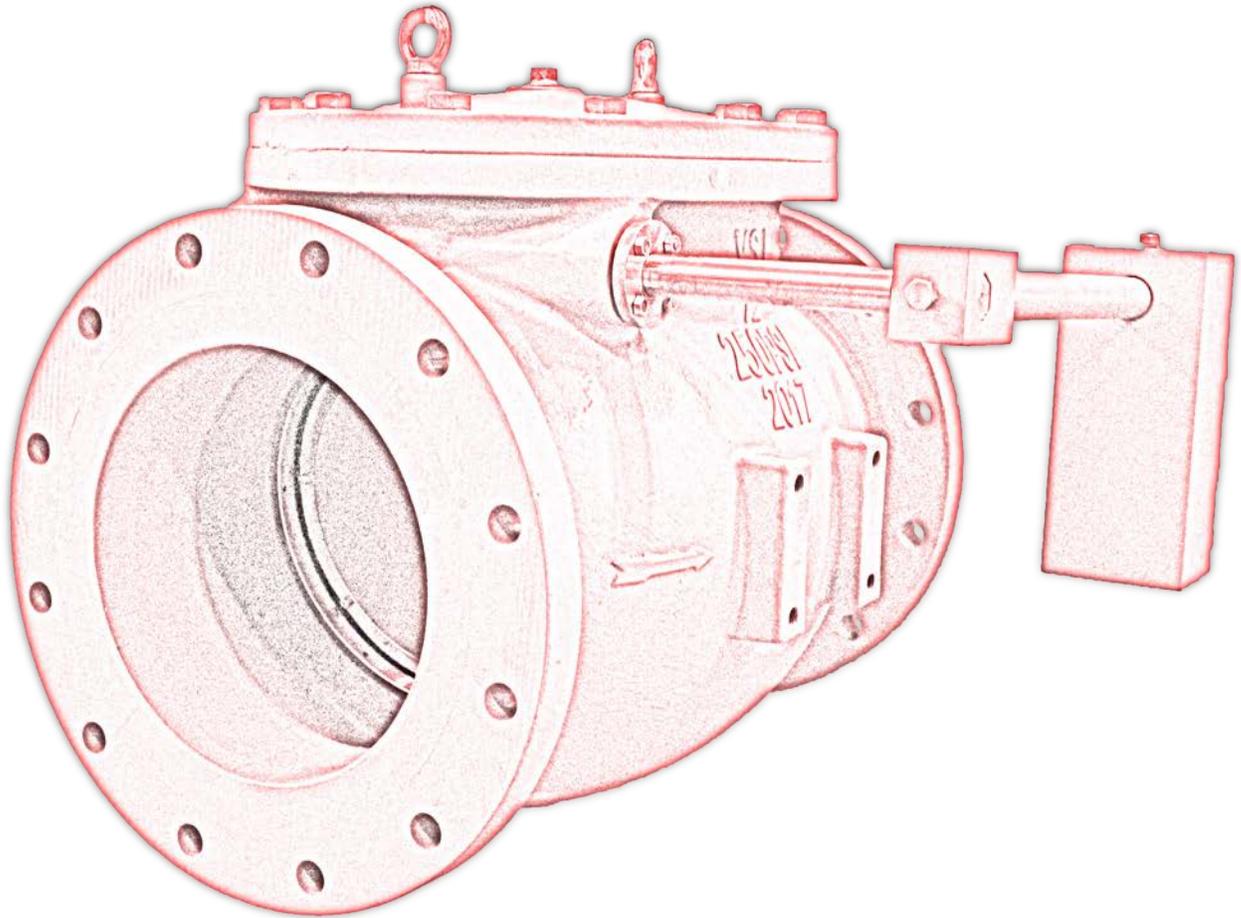


* Standard Material

EXAMPLE:

CVI08F-DDSSN-PS1/O-Q

A 8" flanged Check valve with Ductile Iron body and disc, SS304 shaft, SS304 body seat, NBR disc seat and seals, bronze bearings, SS304 hardware, AWWA C550 2-part epoxy coatings with outside lever & weight.



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