

## SPECIFICATIONS

# FIGURE 682

## CHECK VALVES



### CAST IRON WAFER STYLE DOUBLE DOOR CHECK VALVE

The FNW Figure 682 silent check prevents flow reversal in pipelines, allowing flow in only the indicated direction. The spring-backed disc closes the valve when flow ceases prior to pressure reversal, therefore reducing slam or water hammer.

### FEATURES

- 200 PSI non-shock
- Temperature range -4°F–176°F (-20°C–80°C)
- Wafer style
- Non-Slam (spring actuated) check for water or clean fluids
- Cast iron body, aluminum bronze & stainless steel internal components
- Vertical or horizontal installation\*
- Replaceable drip tight resilient seat
- Renewable disc
- Epoxy coated body

\* When installed in the horizontal position, the door hinge shaft must be in the vertical position for proper operation.

USE FLAT-FACED METAL FLANGES AND FULL-FACE GASKETS ONLY.

NOT FOR STEAM SERVICE



## PRODUCT SPECIFICATIONS

### Standards

- Inspection & Test: API 598
- Flange Drilling: ANSI B16.1 Class 125
- Flange Face Finish: MSS SP-6
- Markings: MSS SP-25

### FIGURE NUMBER MATRIX

FNW 682	
SIZE (IN.) CODE	
2 = K	6 = U
2-1/2 = L	8 = X
3 = M	10 = 10
4 = P	12 = 12
5 = S	

### CV & WEIGHTS

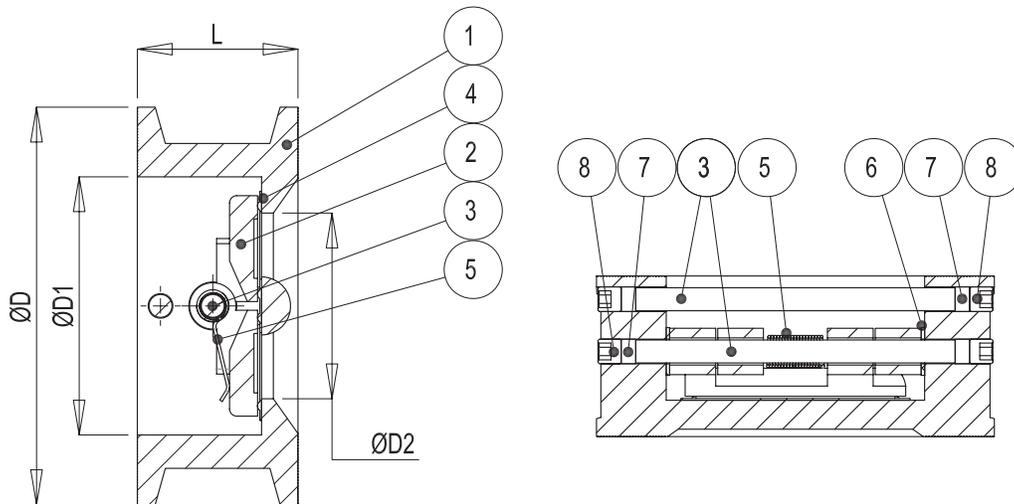
Size (in.)	CV	Wt (lbs)
2	22	2.87
2-1/2	33	4.63
3	52	6.39
4	87	9.48
5	133	14.11
6	198	20.06
8	335	33.51
10	562	58.42
12	781	81.57

# FIGURE 682

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## PARTS DIAGRAM



## PART MATERIALS &amp; QUANTITY

Ref #	Description	Material	Qty	Remarks
1	Body	Cast Iron ASTM A126 Class B	1	
2	Disc (Door)	Stainless Steel ASTM A351 CF8M	2	
3	Shaft	Stainless Steel SS316	2	
4	Seat	NBR	1	bonded to body
5	Spring	Stainless Steel SS316	1-2	qty 2 on 6" - 12" valves
6	Washer	PTFE	2-11	varies according to size
7	Shaft Seal	NBR	4	
8	Hex Nut	Stainless Steel SS304	4	
9	Eye Bolt	Steel ASTM A193 Grade B7	1	8" and larger

## REFERENCE CHART

Size (in.)	Dimensions (in.)			
	ØD	ØD1	ØD2	L
2	4.13	2.36	1.50	2.13
2-1/2	4.88	2.87	1.89	2.13
3	5.39	3.50	2.52	2.24
4	6.97	4.49	3.43	2.52
5	7.76	5.51	4.02	2.76
6	8.74	6.61	5.12	2.99
8	10.98	8.62	6.97	3.74
10	13.39	10.75	8.50	4.25
12	16.14	12.76	10.24	5.59