

SPECIFICATIONS

FIGURE 671B

CAST IRON VALVES



125# FLANGED 200 WOG IBBM SWING CHECK VALVE

FEATURES

- 200 psi WOG non-shock (-20°F–150°F)
- 125 psi WSP (125 psi at 450°F)
- Flat-faced flanges
- Horizontal swing
- Horizontal installation or vertical with upward flow

PRODUCT SPECIFICATIONS

Standards

- Class 125 flanges: ANSI B16.1
- Pressure/temperature rating: MSS SP-71
- Face-to-face dimensions: ANSI B16.10
- Design and testing: MSS SP-71



CV & WEIGHTS

Size (in.)	CV	Wt (lbs)
2	45	25
2-1/2	75	36
3	110	46
4	210	81
5	345	115
6	530	150
8	1010	253
10	1580	442
12	2460	638

TEMPERATURE/PRESSURE*

Temp (°F)	Pressure (PSI)
-20–150	200
200	190
225	180
250	175
275	170
300	165
325	155
350	150
375	145
400	140
425	130
450	125

FIGURE NUMBER MATRIX

FNW 671B		
SIZE CODE (IN.)		
2 = K	4 = P	8 = X
2-1/2 = L	5 = S	10 = 10
3 = M	6 = U	12 = 12

* P/T listed is for 2" to 12", 200 WOG ASTM A126 Class B gray iron valves. Temperatures shown are that of the pressure containing parts of the valve and are assumed to be equal to the contained fluid's temperature. Use of a pressure rating at a pressure containing temperature other than the contained fluid's is at the responsibility of the end-user.

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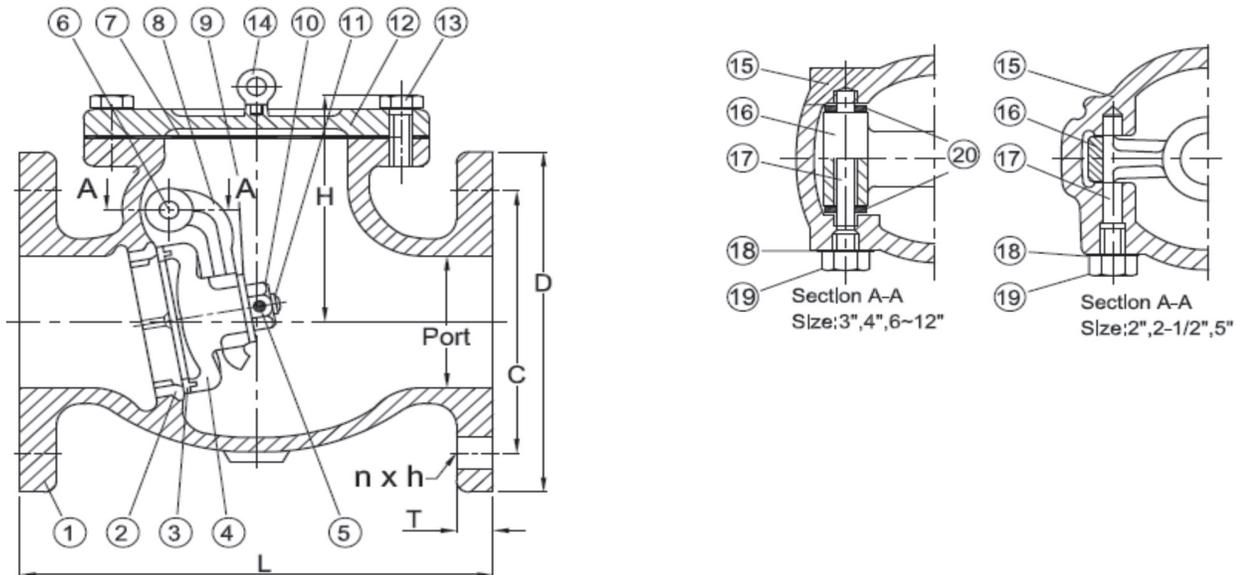


125# FLANGED 200 WOG IBBM SWING CHECK VALVE

REFERENCE CHART

Size (in.)	Dimensions (in.)						
	Port	H	L	C	D	T	nxh
2	2.00	4.65	8.00	4.75	6.00	0.62	4x3/4
2-1/2	2.50	5.37	8.50	5.50	7.00	0.69	4x3/4
3	3.00	5.77	9.50	6.00	7.50	0.75	4x3/4
4	4.00	6.65	11.50	7.50	9.00	0.94	8x3/4
5	5.00	7.78	13.00	8.50	10.00	0.94	8x3/4
6	6.00	8.47	14.00	9.50	11.00	1.00	8x3/4
8	8.00	10.40	19.50	11.75	13.50	1.12	8x3/4
10	10.00	11.91	24.50	14.25	16.00	1.19	12x1
12	12.00	13.52	27.50	17.00	19.00	1.25	12x1

PARTS DIAGRAM



PARTS BREAKDOWN

FIGURE 671B

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PART MATERIALS & QUANTITY

Ref #	Description	Material	Specifications	Qty	Notes
1	Body	Cast Iron	ASTM A126-B	1	
2	Body Seat Ring	Cast Bronze	ASTM B62	1	
3	Disc Seat	Cast Bronze	ASTM B62	1	
4	Disc Seat	Cast Iron Ductile Iron	ASTM A126-B ASTM A536	1	2", 2-1/2", 5" 3", 4", 6"-12"
5	Split Pin	Stainless Steel	ASTM A276-304	1	
6	Hanger Pin	Brass	ASTM B16	1	
7	Gasket	Non-Asbestors	–	1	
8	Hanger	Ductile Iron	ASTM A536	1	
9	Washer	Steel	–	1	
10	Nut	Steel	ASTM A307-A	1	
11	Full Thread Bolt	Steel	ASTM A307-A	1	2", 2-1/2", 5"
12	Cover	Cast Iron	ASTM A126-B	1	
13	Hex. Head Bolt	Steel	ASTM A307-A	1 set	
14	Eye Bolt	Stainless Steel	ASTM A276-304	1	6"-12"
15	Body	Cast Iron	ASTM A126-B	1	
16	Hanger	Ductile Iron	ASTM A536	1	
17	Hanger Pin	Brass	ASTM B16	1	
18	Gasket	Non-Asbestors	–	1	
19	Side Plug	Brass	ASTM B16	1	
20	Washer	Brass	ASTM B16	2	3", 4", 6"-12"