

SPECIFICATIONS

FIGURE 651B

CAST IRON VALVES



125# FLANGED 200 WOG IBBM GATE VALVE

FEATURES

- 200 psi WOG non-shock (-20°F–150°F)
- 125 psi WSP (125 psi at 450°F)
- Flat-faced flanges
- Rising stem OS&Y
- Tapered solid wedge
- Body guide ribs
- Back seat stop

PRODUCT SPECIFICATIONS

Standards

- Class 125 flanges: ANSI B16.1
- Pressure/temperature rating: MSS SP-70
- Face-to-face dimensions: ANSI B16.10
- Design and testing: MSS SP-70

OPTIONS & ACCESSORIES

- FNW offers many options, accessories and for their iron body valves which include, but are not limited to: by-passes, packing options, stem extensions, floor stands, switches, and actuation such as pneumatic cylinders or electric operators, gear operators and chain wheels.



CV & WEIGHTS

Size (in.)	CV	Wt (lbs)
2	240	36
2-1/2	390	48
3	560	60
4	1000	103
5	1600	143
6	2400	186
8	4500	298
10	7000	441
12	10500	628

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

* P/T listed is for 2"–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 temperature. Use of a pressure rating at a pressure containing temperature other than the contained is at the responsibility of the end-user.

SPECIFICATIONS

FIGURE 651B

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REFERENCE CHART

Size (in.)	Dimensions (in.)								
	Port	H1	H	L	C	D 1	D1	T	nxh
2	2.00	14.72	12.48	7.00	4.75	7.00	6.00	0.62	4x3/4
2-1/2	2.50	16.65	13.90	7.50	5.50	7.00	7.00	0.69	4x3/4
3	3.00	18.86	15.59	8.00	6.00	8.00	7.50	0.75	4x3/4
4	4.00	23.43	19.13	9.00	7.50	10.00	9.00	0.94	8x3/4
5	5.00	27.72	22.42	10.00	8.50	12.00	10.00	0.94	8x7/8
6	6.00	32.24	25.79	10.50	9.50	12.00	11.00	1.00	8x7/8
8	8.00	39.45	30.98	11.50	11.75	14.00	13.50	1.12	8x7/8
10	10.00	48.15	37.62	13.00	14.25	16.00	16.00	1.19	12x1
12	12.00	56.06	43.48	14.00	17.00	18.00	19.00	1.25	12x1

PARTS DIAGRAM

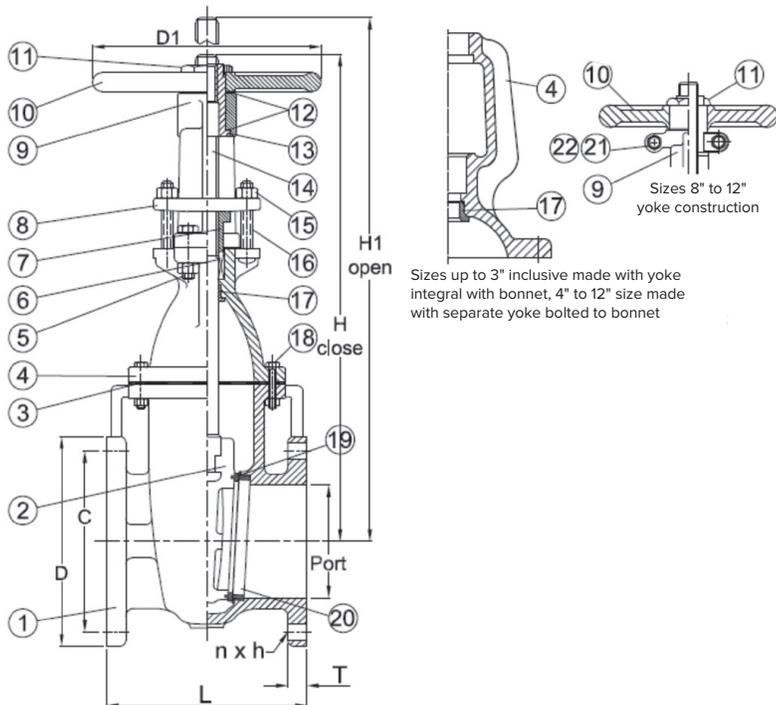


FIGURE NUMBER MATRIX

FNW 651B		
SIZE CODE (IN.)		
2 = K	4 = P	8 = X
2-1/2 = L	5 = S	10 = 10
3 = M	6 = U	12 = 12

PARTS BREAKDOWN

FIGURE 651B

CAST IRON VALVES



125# FLANGED 200 WOG IBBM GATE VALVE

PART MATERIALS & QUANTITY

Ref #	Description	Material	Specifications	Qty	Notes
1	Body	Cast Iron	ASTM A126-B	1	
2	Disc	Cast Iron	ASTM A126-B	1	
3	Gasket	Non-Asbestos	–	1	
4	Bonnet	Cast Iron	ASTM A126-B	1	
5	Hex. Head Bolt	Steel	ASTM A307-A	1	
6	Packing	Graphite	–	3	4 on 6"–12"
7	Gland	Cast Bronze	ASTM B62	1	
8	Gland Flange	Ductile Iron	ASTM A536	1	
9	Yoke	Cast Iron	ASTM A126-B	1	4"–12"
10	Hand Wheel	Cast Iron	ASTM A126-B	1	
11	Wheel Nut	2 - 8 Steel 10/12 Ductile Iron	S45C ASTM A536	2 1	
12	Washer	Brass	ASTM B16	2	2"–6"
13	Yoke Sleeve	Cast Bronze	ASTM B62	1	
14	Stem	Brass	ASTM B16	1	
15	Nut	Steel	ASTM A307-A	1 set	
16	Square Head Bolt	Steel	ASTM A307-A	1 set	
17	Bonnet Bush	Cast Bronze	ASTM B62	1	
18	Hex. Head Bolt	Steel	ASTM A307-A	1 set	
19	Disc Seat Ring	Cast Bronze	ASTM B62	2	
20	Body Seat Ring	Cast Bronze	ASTM B62	2	
21	Yoke Bolt	Steel	ASTM A307-A	2	8"–12"
22	Yoke Nut	Steel	ASTM A307-A	2	8"–12"