

Class 150 • Outside Screw & Yoke • Flexible Wedge Disc

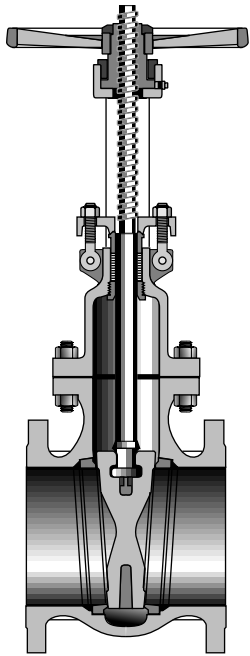


Figure 47
Flanged
Figure 47^{1/2}
Butt Weld

Size Range:
2 through 24 inches

Pressure Temperature Rating
Carbon Steel
ASTM A216 Grade WCB
285 psi @ -20°F to 100°F

Material of Construction

Description	Material
Body	WCB
Bonnet	WCB
Seat Rings	Hardfaced
Disc	CA-15 or 13% CR Overlay
Stem	410 SS
Packing	Graphite
Bonnet Gasket	Soft Iron
Back Seat	410 SS
Yoke Sleeve	D2 Ni-Resist
Retaining Nut	Malleable or Steel
Gland	Steel
Gland Flange	Steel
Eye Bolt	Steel
Eye Bolt Nuts	Steel
Pins	Steel
Bonnet Studs	A193 Gr. B7
Bonnet Nuts	A194 Gr. 2H
Handwheel	Malleable, Ductile, or Steel
Handwheel Nut	Ductile or Steel
I.D. Tags	SS
I.D. Pins	Steel
Spacer	Steel
Grease Fittings	Steel

Industry Standards

Steel Valves	ANSI B16.34
Face-to-Face/End-to-End	ANSI B16.10
Flange Dimensions	ANSI B16.5
Weld End	ANSI B16.25
Basic Design	API 600
Testing	API 598
Acceptance	API RP591

Dimensions and Weights

Valve Size	Weight (pounds)		Dimensions (inches)			
			A		B	C
	47	47 ^{1/2}	47	47 ^{1/2}	Valve Open	
2	46	45	7.00	8.50	16.50	8.00
2 ^{1/2}	70	60	7.50	9.50	16.50	8.00
3	76	62	8.00	11.12	19.00	9.00
4	110	95	9.00	12.00	23.00	10.00
5	155	140	10.00	15.00	27.88	12.00
6	175	165	10.50	15.88	31.00	12.00
8	310	260	11.50	16.50	39.00	14.00
10	455	410	13.00	18.00	46.75	16.00
12	650	580	14.00	19.75	55.00	18.00
14	860	730	15.00	22.50	60.50	20.00
16	1120	960	16.00	24.00	66.75	20.00
18	1400	1250	17.00	26.00	77.50	23.62
20	2125	1855	18.00	28.00	84.00	23.62
24	3120	2500	20.00	32.00	101.00	28.35

