



33XU-F

Cast Steel Gate Valve

Class 300

Features & Benefits

- Efficient stop valves with flow in either direction
- Commonly used where a minimum pressure drop is important
- Flexible wedge disc compensates for deformation of body due to pipe stress
- Outside screw & yoke
- Flanged
- Seat ring is seal welded to eliminate leak paths

Materials

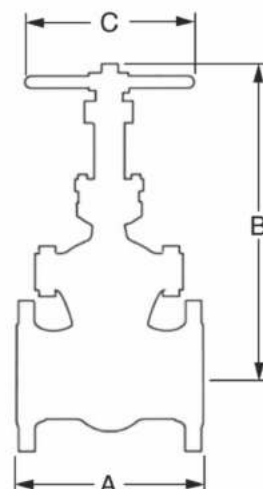
PART	MATERIAL
Body	A216 WCB
Bonnet	A216 WCB
Seat Rings	Hardfaced
Disc	CA-15 or 13% CR Overlay
Stem	410 SS
Packing	Graphite
Bonnet Gasket	Spiral Wound
Back Seat	410 SS
Yoke Sleeve	D2 Ni-Resist
Retaining Nut	Malleable or Steel
Disc Washer	Carbon Steel
Gland	Steel
Gland Flange	Steel
Eye Bolt	Steel
Eye Bolt Nuts	Steel
Pins	Steel
Bonnet Studs	A193 Gr. B7
Bonnet Nuts	A194 Gr. 2H
Handwheel	Malleable, Ductile or Steel
Handwheel Nut	Ductile or Steel
ID Tags	SS
ID Pins	Steel
Spacer	Steel
Grease Fittings	Steel

Dimensions & Weights

SIZE (inch)	WEIGHT (lbs)	A (inch)	B VALVE OPEN (inch)	C (inch)
2	74	8.50	16.00	8.00
2 1/2	80	9.50	19.00	8.00
3	108	11.12	22.00	9.00
4	165	12.00	25.00	10.00
6	320	15.88	32.75	14.00
8	500	16.50	40.00	16.00
10	760	18.00	49.50	18.00
12	1020	19.75	57.50	20.00
14	1380	30.00	64.50	20.00
16	1960	33.00	71.50	24.00
18	2450	36.00	78.50	23.62
20	3890	39.00	86.50	28.35
24	6292	45.00	104.00	35.43



Dimensional Drawing



Industry Standards

STEEL VALVES	ANSI B16.34
FACE-TO-FACE/END-TO-END	ANSI B16.10
FLANGE DIMENSIONS	ANSI B16.5
BASIC DESIGN	API 600
TESTING	API 598
ACCEPTANCE	API RP591

Intermediate pressure ratings shall be determined by interpolation.

SIZE RANGE: 2 - 24 inches PRESSURE TEMPERATURE RATING: Class 300

Carbon Steel
ASTM A216 Grade WCB
740 psi @ -20°F to 100°F