

47XU-F

Cast Steel Gate Valve

Class 150

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 and 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	ASTM A182 F6a Cl. 2. This is equivalent to SS410
Packing	Graphite
Bonnet Gasket	ASTM A276 304 + Graphite
Back Seat	410 SS
Yoke	ASTM A216 WCB
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
ID Tags	SS
ID Pins	Steel
Spacer	Steel
Grease Fittings	Steel

Dimensions & Weights

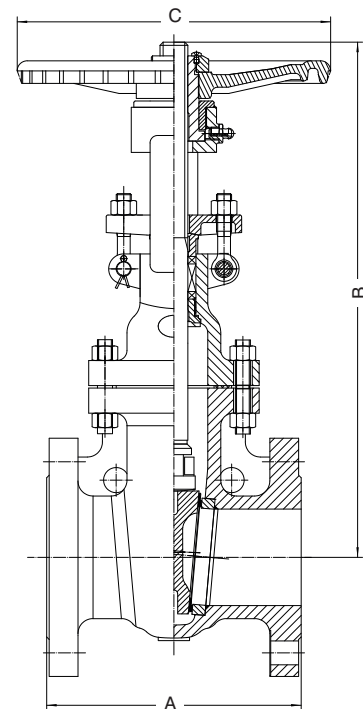
SIZE (inch)	WEIGHT (kg)	A (mm)	B VALVE OPEN (mm)	C (mm)
2	17.5	178	387	200
2.1/2	24.8	190	435	200
3	31.85	203	510	240
4	45.65	229	580	280
6	79.3	267	775	320
8	117.87	292	960	360
10	180.2	330	1165	400
12	267.85	356	1367	450
14	360	381	1545	560
16	458	406	1744	560
18	579	432	1930	640
20	732	457	2135	640
24	1083	508	2531	720



47XU-F

GENERAL VALVES

Dimensional Drawing



Industry Standards

PRESSURE/TEMPERATURE	ANSI B16.34
FACE-TO-FACE/END-TO-END	ANSI B16.10
FLANGE DIMENSIONS	ANSI B16.5
BASIC DESIGN	API 600
TESTING	API 598

Intermediate pressure ratings shall be determined by interpolation.

SIZE RANGE: 2 - 24 inches **PRESSURE TEMPERATURE RATING:** Class 150

Carbon Steel
ASTM A216 Grade WCB
19.6 Bar / -29 to 38°C
5.5 Bar / 425°C

Valid as of 250620

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Crane Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.