



Cast Steel Gate Valve

FLANGED ANSI 150
RISING STEM • OUTSIDE SCREW AND YOKE
FLEXIBLE WEDGE • METAL SEATED

47XUF
FLANGED

SPECIFICATION

47XUF

Sizes 2 to 12 Inch (Dn150 to 300) - Class 150
Cast carbon steel (grade WCB) flexible wedge gate valve,
13% Chromium steel to hard faced trim, bolted bonnet, outside screw
and yoke, handwheel operated, flanged to ANSI B16.5 and BS 1560
Class 150.

PRESSURE/TEMPERATURE RATINGS

Temperature "F	Pressure lbf/in ² - Gauge	Temperature "C	Pressure Bar - Gauge
-20 to 100	265	-29 to 38	19.7
200	260	100	17.7
300	230	150	15.8
400	200	200	14.0
500	170	250	12.1
600	140	300	10.2
650	125	350	8.4
700	110	375	7.4
750	95	400	8.5
800	80	425	5.6
850	65	450	4.6
900	50	475	3.7
950	35	500	2.8
1000	20	538	1.4

Note - Upon prolonged exposure to temperatures above about 800°F (425°C),
the carbon phase of carbon steel may be converted to graphite.

TEST PRESSURES

	Shell Hydrostatic	Seat Hydrostatic	Seat Air under water
lbf/in ²	450	315	100
bar	30	22	6.9

DIMENSIONS AND WEIGHTS

Nom. Size		A		B				H		Weight	
NPS	DN	In	mm	Open		Close		In	mm	ll	Kg
2	50	7.0	178	16.4	416	14.3	363	7.9	200	46	21
2½	65	7.5	190	17.3	440	14.6	370	7.9	200	60	27
3	80	8.0	203	20.1	510	16.9	430	9.8	248	82	37
4	100	9.0	229	23.6	600	19.7	500	9.8	248	119	45
6	150	10.5	267	30.3	770	25.8	655	11.9	302	185	84
8	200	11.5	292	37.8	960	31.3	795	14.0	355	276	125
10	250	13.0	330	46.5	1180	37.3	946	15.9	404	437	198
12	300	14.0	356	55.1	1400	43.3	1100	17.9	454	600	272

