



Cast Steel Check Valves

FLANGED ANSI CLASS 150
SWING TYPE

SPECIFICATION

147XU - Sizes 2 to 12 inch (DN50 to 300) - Class 150
Cast carbon steel (grade WCB) swing check valve, 13% Chromium steel to hard faced trim, bolted cover, flanged to ANSI B16.5 and BS 1560 Class 150

Class 150

BS 1868
ANSI B16.34
API 6D

147XU
FLANGED

PRESSURE/TEMPERATURE RATINGS

Temperature "F	Pressure lbf/in ² - Gauge	Temperature "C	Pressure Bar - Gauge
-20 to 100	285	-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	6.5
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
lbf/in ²	450	315
bar	30	22

DIMENSIONS AND WEIGHTS

Nom. Size		A		B		Weight	
NPS	DN	In	mm	In	mm	lb	Kg
2	50	8.0	203	6.7	171	40	18
2½	65	8.5	216	7.4	187	53	24
3	80	9.5	241	8.5	216	66	30
4	100	11.5	292	8.9	225	112	51
6	150	14.0	356	11.4	289	176	80
8	200	19.5	495	13.4	340	320	145
10	250	24.5	622	15.7	400	452	205
12	300	27.5	698	17.5	445	692	314

