

Flow Line

45

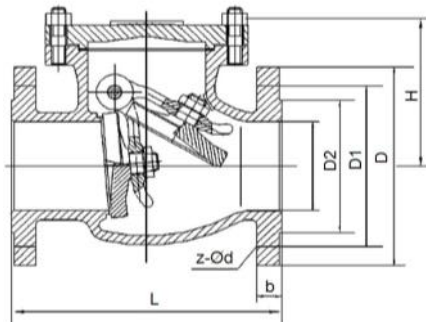


Swing Check Valves

Sizes 2" - 48"

ENGINEERING

Flow Line **Series 45** Swing Check Valves are manufactured to the latest editions of API and ANSI Standards. All valves are bi-directionally tested to API 598. Utilizing modern manufacturing and quality control procedures provides our customers with complete confidence of trouble free operation throughout the life of the valve.



DIMENSIONS: ANSI 150

Size	2"	2.5"	3"	4"	5"	6"	8"	10"	12"
L	7.99	8.5	9.49	11.5	12.99	14.02	19.49	24.49	27.48
D2	3.62	4.13	5	6.18	7.32	8.5	10.63	12.76	15
D1	4.74	5.49	6	7.48	8.5	9.51	11.75	14.25	17.01
D	5.98	7.01	7.48	9.02	10	10.98	13.5	15.98	19.02
Z-Od	4-.75	4-.75	4-.75	8-.87	8-.87	8-.87	12-.98	12-.98	12-.98
b	.63	.71	.75	.94	.94	1.02	1.14	1.22	1.26
H	6.5	6.89	7.48	8.46	9.45	10.43	12.6	14.37	16.34

HOW TO ORDER

* For dimensions of unlisted sizes, please see your local distributor or visit our website at www.flowlinevalves.com.

Series	Size	ANSI	Flange	Body	Disc	Shaft	Seat	Operator
1	2	3	4	5	6	7	8	9

1 Series		3 ANSI		7 Shaft	
45	Swing Check Valve	1	150	1	A182 F6a
		2	300	3	A276-304
		3	600	4	416SS
		4	900	5	ASTM B504
		5	1500	7	A276-316
2 Valve Size		4 Flange		8	A276-304L
0020	2"	1	Raised Face	9	A276-316L
0025	2.5"	2	Ring Joint	8 Seat	
0030	3"	5 Body		4	ASTM A351 Gr. CF8M
0040	4"	2	Ductile Iron	6	ASTM B150
0050	5"	4	ASTM A351 Gr. CF8M	8	.CR13
0060	6"	5	216 WCB	9	Stellite
0080	8"	6 Disc		9 Operator	
01000	10"	4	ASTM A351 Gr. CF8M	0	No Handle
01200	12"	6	ASTM B150	*Stellite® is a registered trademark of Kennametal Stellite Company.	
01400	14"	8	ASTM A105+.CR13		
01600	16"	9	410		
01800	18"				
02000	20"				
02400	24"				
03000	30"				
03600	36"				
04200	42"				
04800	48"				

Flow Line also offers the choice of Iron Body or WCB Body with Bronze Trim.

Face to Face	ANSI B16.10
Flange Dimensions	ANSI B16.5
Test	API 598
Pressure	ANSI B16.34
Marking	MSS-SP-25

TESTING: API 598

Shell	Hydro	450 psi
Seat	Air	80 psi
Back Seat	Hydro	315 psi

WEIGHT (LBS.)

2"	38
2.5"	51
3"	73
4"	97
5"	121
6"	172
8"	302
10"	456
12"	614

PRESSURE/TEMPERATURE RATINGS

Temp °F	WCB	Temp °F	WCB
-20 to 100	285	700	110
200	260	750	95
300	230	800	80
400	200	850	65
500	170	900	50
600	140	950	35
650	125	1000	20

EXAMPLE:

6" Check Valve	WCB Body	416SS Shaft
ANSI 150	.Cr13 Gate	.Cr13 Seat
Raised Face		

Series	Size	Trim
45	0060	1158480

FlowLine

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www.flowlinevalves.com

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