


Technical Requirements

1. Design & manufacture conform to MSS SP-81
2. Face-to-Face conforms to MSS SP -81
3. Flange dimensions conform to SABS 1123 T1000
4. Test & Inspect conform to MSS SP-61

Nominal pressure	DN			MPa
	50~250	300~450	500	
Shell Test	1.5	1.05	0.3	
Closure Test	0.28			
Air Test	0.6			
Temperature	-20~80°C			
Applicable Media	wst water, slurry.			

Size	Main Dimension (mm)PN10									
	DN	D1	D2	n-ød	M	L	H	H1	W	Total Width
50	125	102	4-ø18	M16	50	380	430	180	160	9
80	160	138	8-ø18	M16	50	450	530	200	195	12
100	180	158	8-ø18	M16	50	497	597	220	215	14
150	240	212	8-ø22	M20	60	670	720	280	280	25
200	295	268	8-ø22	M20	60	770	970	300	335	41
250	350	320	12-ø22	M20	70	915	1165	350	390	57
300	400	370	12-ø22	M20	80	1070	1370	350	440	71
350	460	430	16-ø22	M20	90	1200	1550	400	500	115
400	515	482	16-ø26	M24	100	1330	1730	450	565	160
500	620	585	20-ø26	M24	114	1635	2135	550	670	240
600	725	685	20-ø26	M24	120	1890	2490	600	780	330

NO	PART NAME	MATERIAL	REMARKS
16	Lock	Carbon Steel	
15	Chain	Carbon Steel	
14	Lock Nut	Carbon Steel	
13	Hand wheel	Malleable Iron	
12	Yoke Nut	Aluminum-bronze	
11	Stem	SS316	
10	Yoke	A351 CF8M	
9	Nut	Stainless Steel	
8	Bolting	Stainless Steel	
7	Gland	A351 CF8M	
6	Packing	PTFE	
5	Deflector hole	A351 CF8M	
4	Knife	SS316	
3	Seat ring	Viton	
2	O ring	Viton	
1	Body	A351 CF8M	

DESIGNED BY		 Sure Seal <small>Valve and Pump Specialists</small>	
CHECKED BY			
STANDARDIZED BY		DRAWING NO	REV
APPROVED BY		PZ73X-10	2
THE USER CONFIRM		Manual Knife Gate Valve	
		DATE	2012-07-11