



DATA SHEET

Product Data Sheet No : SD/PD/005 Rev 1
Title : Valve General specifications

Product : 773Z (Wafer) Valve
Date : 2nd April 2012

Valve Nominal Size		40mm to 150mm	200mm to 300mm
Applicable Flange Standards		JIS 5K/10K ANSI125lb/150lb BS 10 Table 'E' BS EN 1092 PN10 (Replaces BS 4504)	
Maximum Working Pressure		10 Barg	
Body Shell Test		15 Barg	
Seat Leak Test		11 Barg	
Working Temperature Range		EPDM Intermittent -20 to +120°C EPDM Continuous -10 to +100°C NBR Intermittent -10 to +60°C NBR Continuous -10 to +80°C	
Standard Materials	Body	Aluminium Diecast Alloy ADC12	
	Disc	Stainless Steel 316 JIS SCS14 PPS (Poly-Phenylene Sulfide lined on stainless steel core 40mm to 200mm)	
	Seat	EPDM NBR	
	Stem	JIS SUS420J2	
Paint Coating		Epoxy-Melanin baked with Munsell 2.5BG 6/12	
Actuators	Lock Lever	√	X
	Worm Gear	√	√
	Vertical Gear	√	√
	Pneumatic cylinder	√	√
	Motorized	√	√
Typical Valve Service		General Water applications	
Pressure Equipment Directive 97/23/EC Category		Under it's extreme operating conditions the 773Z Valve is deemed to be Category II	

773Z Basic Torque Chart

Size		Basic Torque Required (Nm)	Notes :
mm	inch		
40	1.1/2	6	1. The data shows seating torque of 773Z butterfly valve. It can be used for basic torque for actuator sizing. 2. Safety margins should be added to the basic torque requirements for the following services :- <ul style="list-style-type: none"> • Wet Service – min 30% • Slurry, Steam etc – min 50% • Dry Air, Powder etc – min 100% * Special Note for Basic Torque. The Seating torques, especially for concentric rubber seated butterfly valves, are subject to working conditions, such as type of fluid, temperature, duration at closed position, frequency of operation, material of rubber, combinations of materials etc. Therefore, various considerations should be given when using butterfly valves.
50	2	9	
65	2.1/2	13	
80	3	18	
100	4	30	
125	5	45	
150	6	78	
200	8	90	
250	10	170	
300	12	300	



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773Z Valve Dimensions

Nominal Size		Dimensions (mm)													Approx Weight (Kg)
mm	inch	Ød	ØD	L	H1	H2	Ød2	a1	a2	a3	□S1	□D1	t	ØC1	
40	1.1/2	45	80	35	61	132	10	-	-	21.5	8	70	12	70	0.9
50	2	52	91	43	66	138	10	-	-	21.5	8	70	10	70	0.9
65	2.1/2	65	111	46	72	151	10	-	-	21.5	8	70	10	70	1.1
80	3	80	127	46	85	156	12	-	-	22.5	10	70	10	70	1.3
100	4	101	147	52	98	167	14	-	-	22.5	12	70	10	70	1.8
125	5	126	178	56	115	191	16	-	-	27.5	14	70	10	70	2.7
150	6	150	207	56	131	202	18	-	-	27.5	14	102	12	102	3.7
200	8	196	253	60	163	227	22	-	-	30	18	102	12	102	6.0
250	10	253	322	68	215	280	28	5	30	35	24	125	16	125	14.7
300	12	302	367	78	253	312	32	5	30	35	24	125	16	125	22.0

