



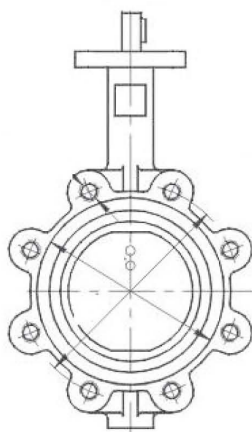
SAUDI PIPE SYSTEMS CO.

BUTTERFLY VALVE BUW- 109 Lug / Wafer



Ductile Iron body, Geometric drive,
Moulded in seat liner,

Applicable Specification :
MSS-SP 67 , MSS-SP 25



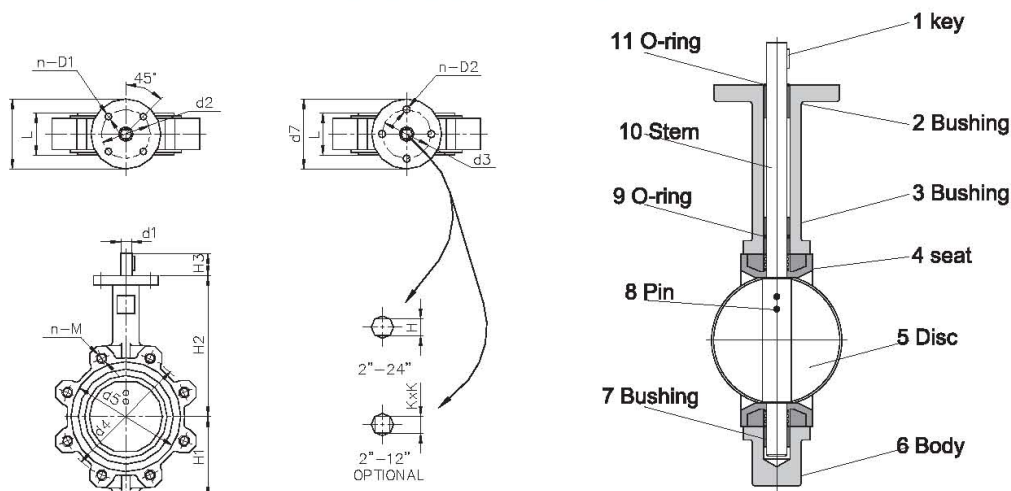
Application	For water and neutral liquids
Working Pressure	16 Bar
Working Temperature	Up to 100°
Sealing Pressure	16 Bars
Operation	By Lever lock or Gear Operated
Wedge	Aluminium Bronze , ASTM B-148 , Alloy 954 / 955 Option (St.Steel 304)
Type	Wafer Type / Lug Type
Coating	Epoxy Power coating (200 - 300 microns)

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



SAUDI PIPE SYSTEMS CO.

BUTTERFLY VALVE LUG TYPE BUW - 109



Dimensions of Lug Butterfly Valve

Unit :mm

Size		H1	H2	H3	L	d1	d2	d3	d4			d5	d6	D7	n-M			n-D1	n-D2	H	K
mm	inch								ANSI B16.1	PN10	PN16				ANSI	PN10	PN16				
40	1.5	60	130	32	36	12.7	50	57.15	98.5	110	110	82	70	80	4-1/2\"-13	4-M16	4-M16	4-7	4-6.8	10	10
50	2	76	162	32	45	12.7	50	57.15	120.65	125	125	88	70	80	4-5/8\"-11	4-M16	4-M16	4-7	4-6.8	10	10
65	2.5	80	175	32	48	12.7	50	57.15	139.7	145	145	108	70	80	4-5/8\"-11	4-M16	4-M16	4-7	4-6.8	10	10
80	3	95	200	32	49	12.7	50	57.15	152.4	160	160	118	70	80	4-5/8\"-11	4-M16	8-M16	4-7	4-6.8	10	10
100	4	114	200	32	55	15.9	70	69.85	190.5	180	180	156	90	90	8-5/8\"-11	8-M16	8-M16	4-9.5	4-10.3	12	12
125	5	127	213	32	58	19	70	69.85	215.9	210	210	181	90	90	8-3/4\"-10	8-M16	8-M16	4-9.5	4-10.3	14	16
150	6	140	225	32	59	19	70	69.85	241.3	240	240	210	90	90	8-3/4\"-10	8-M20	8-M20	4-9.5	4-10.3	14	16
200	8	173	260	45	64	22.2	102	88.9	298.45	295	295	260	125	120	8-3/4\"-10	8-M20	12-M20	4-11.5	4-14.3	17	18
250	10	203	292	45	70	28.6	102	88.9	361.95	350	355	321	125	120	12-7/8\"-9	12-M20	12-M24	4-11.5	4-14.3	22	24
300	12	237	337	45	80	31.7	102	107.95	431.8	400	410	384	125	140	12-7/8\"-9	12-M20	12-M24	4-11.5	4-14.3	24	24
350	14	279	368	45	80	31.7	102	107.95	476.25	460	470	400	125	140	12-1\"-8	16-M20	16-M24	4-11.5	4-14.3	24	—
400	16	304	400	51	90	33.34	165	158.75	539.75	515	525	465	210	197	16-1\"-8	16-M24	16-M27	4-22.2	4-20.6	27	—
450	18	362	422	51	109	38	165	158.75	577.85	565	585	514	210	197	16-1 1/8\"-7	20-M24	20-M27	4-22.2	4-20.6	27	—
500	203	368	479	64	135	41.15	165	158.75	635	620	650	559	210	197	20-1 1/8\"-7	20-M24	20-M30	4-22.2	4-20.6	32	—
600	243	444	562	70	156	50.85	165	215.9	749.3	725	770	686	210	286	20-1 1/4\"-7	20-M27	20-M33	4-22.2	4-22	36	—
700	283	520	624	72	169	55	254	254	—	840	840	795	300	300	—	24-M27	24-M33	8-18	8-18	—	—
750	303	621	648	72	173	55	254	215.9	914.5	—	—	851	300	286	28-1 1/4\"-7	—	—	4-22.2	8-18	—	—
800	323	591	672	72	195	55	254	254	—	950	950	900	300	300	—	24-M30	24-M36	8-18	8-18	—	—
900	363	623	768	77	211	75	254	254	1088	1050	1050	1002	300	300	32-1 1/2\"-6	28-M30	28-M36	8-18	8-18	—	—
1000	403	665	823	85	229	85	254	254	—	1160	1160	1111	300	300	—	28-M33	28-M39	8-18	8-18	—	—
1050	423	777	858	85	261	85	254	254	1257.8	—	—	—	300	300	36-1 1/2\"-7	—	—	8-18	8-18	—	—
1200	483	955	880	150	285	92	298	298	1422.4	1380	1390	—	350	350	44-1 1/2\"-7	32-M36	32-M45	8-22	8-22	—	—

Design Mechanical Data, Dimension, Materials and weight are subject to change without notice

Main Office : Jeddah - Industrial Zone Phase - 4, P. O. Box : 34572, Jeddah: 21478 - Saudi Arabia,
Tel +966-2-6370999 / 6081100 Fax +966-2-6365925 / 6379439 E-Mail : spsvalve@sps.net.sa, Web site : www.saudivalve.com



SAUDI PIPE SYSTEMS CO.

BUTTERFLY VALVE BUW - 109

Components List

Item	Description	Materials
1	Key	Carbon Steel
2	Collar Bushing	Brass ASTM B 124
3	Upper Bushing	Copper CDA 122
4	Seat	NBR or EPDM
5	Disc	AL-BRONZE B-148 Alloy 954 or SS 304
6	Body	Ductile Iron ASTM A-536
7	Lower Bushing	Copper CDA 122
8	Pin	ASTM A582 Type 416 or ASTM A276 Type 410
9	Ring	NBR or EPDM
10	Stem	SS 304
11	Ring	NBR or EPDM

Performance Data

Valve Size(inch)		1.5"-24"	28"-48"
Nominal Pressure(MPa)		1.6	1.0
testing pressure (MPa)	body shell	2.4	1.5
	sealing	1.76	1.1
medium temperature(°C)		normal - 45°C -130°C special 200°C (instantaneous)	
Suitable medium		Fresh water, waste water, sea water, vapors, gas, oils, acid and alkaline	
Operation methods		handle, electric, pneumatic and liquid-driving	

Designed to comply with MSS SP-67 and API 609.

Compatible with ANSI Class 125/150, DIN, BS and JIS flanges.

Available with handles (2" to 12"), manual gear operators (2" to 48"),

And electric or pneumatic actuators (2" to 48").

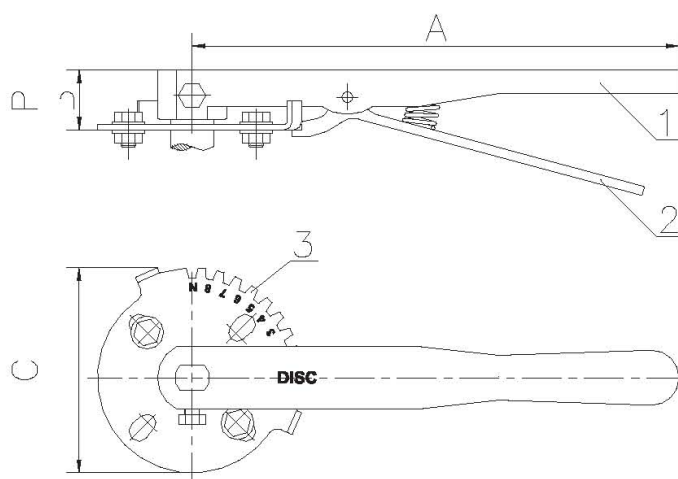
Design Mechanical Data, Dimension, Materials and weight are subject to change without notice

Main Office : Jeddah - Industrial Zone Phase - 4, P. O. Box : 34572, Jeddah: 21478 - Saudi Arabia,
Tel +966-2-6370999 / 6081100 Fax +966-2-6365925 / 6379439 E-Mail : spsvalve@sps.net.sa, Web site :www.saudivalve.com



SAUDI PIPE SYSTEMS CO.

LEVER OPERATOR



The lever handle and throttling plate provide throttling notches every 10° for excellent manual control in balancing up 90° or shut off service.

Components List:

1. Handle-----Malleable Cast Iron
2. Throttle Plate---Zinc Plated steel
3. Lever-----Malleable Cast Iron

Dimensions

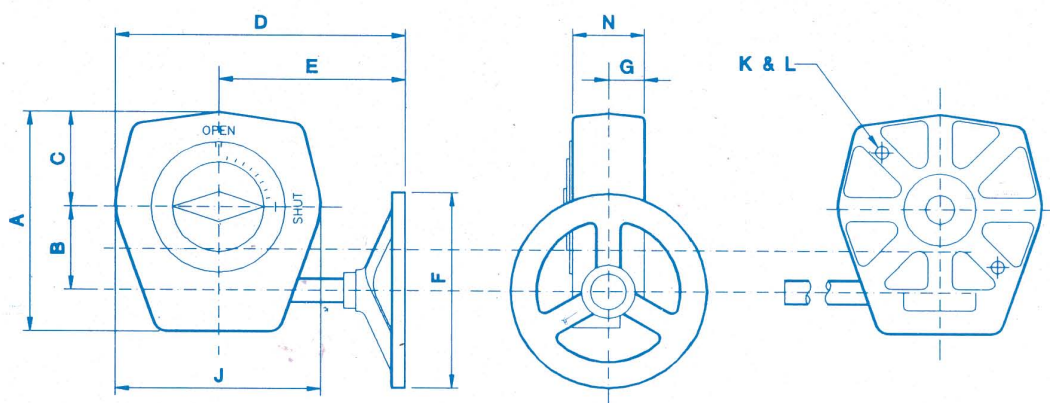
Valve Size	A	B	C
23 - 63	260	32	112
83 - 123	356	38	164

Design Mechanical Data, Dimension, Materials and weight are subject to change without notice



SAUDI PIPE SYSTEMS CO.

GEAR OPERATOR OPTION & ACCESSORIES



The SPS butterfly valve can be provided with heavy-duty weatherproof operator and indicator. Recommended for valves 8" and larger, for trouble free operation in all moisture and weather conditions. Operator is a self locking worm gear type, equipped with adjustable stops at open and shut positions

VALVE SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
2"	5.19	1.83	2.19	6.25	4.25	6	1.13	2.36	4.75
2 1/2"-3"	5.19	1.83	2.19	6.25	4.25	6	1.13	2.36	4.75
4"	5.19	1.83	2.19	6.25	4.25	6	1.13	2.36	4.75
5"	5.19	1.83	2.19	6.25	4.25	6	1.13	2.36	4.75
6"	5.19	1.83	2.19	10.25	7.88	6	1.13	2.36	4.75
8"	5.19	1.83	2.19	10.25	7.88	9	1.13	2.36	4.75
10"	5.93	2.36	2.43	10.25	7.88	9	1.13	2.36	5.25
12"	5.93	2.36	2.43	10.25	7.88	9	1.13	2.36	5.25

Design Mechanical Data, Dimension, Materials and weight are subject to change without notice

Main Office : Jeddah - Industrial Zone Phase - 4, P. O. Box : 34572, Jeddah: 21478 - Saudi Arabia,
Tel +966-2-6370999 / 6081100 Fax +966-2-6365925 / 6379439 E-Mail : spsvalve@sps.net.sa, Web site : www.saudivalve.com