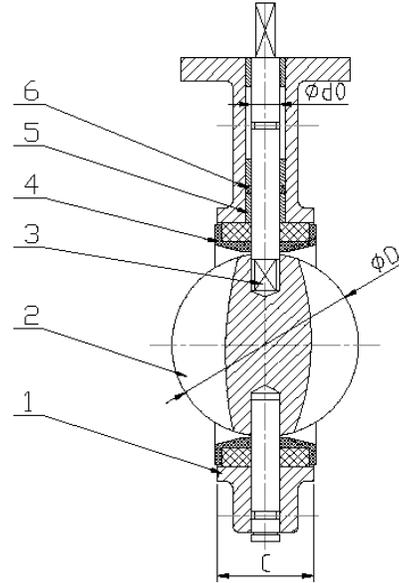
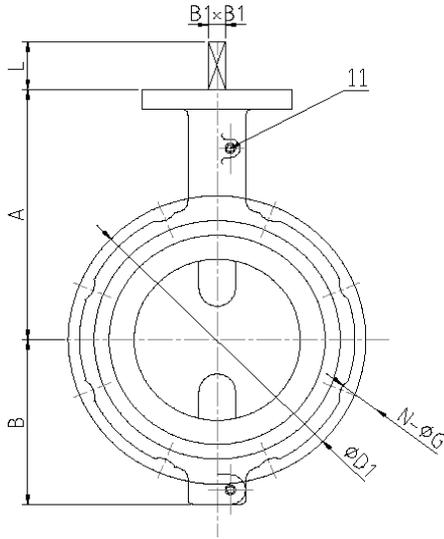




Applicable Standards

- Notched Body
- Short Pattern
- Grease Fitting
- 200 PSI 2" - 14"

- Valve Design Conforms to API 609 Class A
- Mounting Pad Conforms to ISO 5211
- Ends Conforms to ASME B16.1 and B16.5
- Inspected & Tested According to API 598



Materials of Construction

Item	Part	Material	ASTM
1	Body	Ductile Iron	A536
2	Disc	316 SS	CF8M
3	Shaft	316 SS	CF8M
4	Seat	BUNA (NBR)	N/A
5	Bushing	PTFE	N/A
6	O-Ring	BUNA (NBR)	N/A
7	Lever	Ductile Iron	A536
8	Indicator	Stainless Steel	201 SS
9	Handwheel	Cast Iron	A126B
10	Gear	Cast Iron	A126B
11	Pin	Carbon Steel	N/A

Dimensions (Inches)

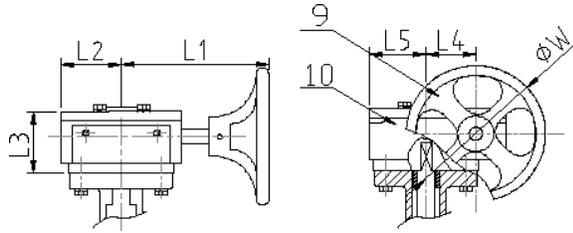
Size	A	B	C	D	d0	B1	L	D1	N - ø G	ø°	Weight (Lbs)
2"	4.57	2.64	1.69	2.09	.50	0.43	1.02	4.74	4-0.75	90°	4.85
2-1/2"	4.76	3.15	1.77	2.56	.50	0.43	1.18	5.49	4-0.75	90°	5.51
3"	4.88	3.31	1.77	3.11	.50	0.43	1.18	6.00	4-0.75	45°	6.61
4"	5.98	3.58	2.05	4.09	.62	0.43	1.18	7.50	8-0.75	45°	9.48
5"	6.26	4.80	2.20	4.85	.74	0.55	1.18	8.50	8-0.89	45°	13.45
6"	6.50	5.00	2.20	6.11	.74	0.55	1.57	9.51	8-0.89	45°	15.54
8"	8.03	6.14	2.36	7.97	.87	0.67	1.57	11.75	8-0.89	45°	27.45
10"	9.96	7.44	2.68	9.86	1.12	0.87	1.57	14.25	12-1.00	22.5°	45.42
12"	12.20	9.65	3.07	11.87	1.24	0.87	1.57	17.01	12-1.00	22.5°	72.31

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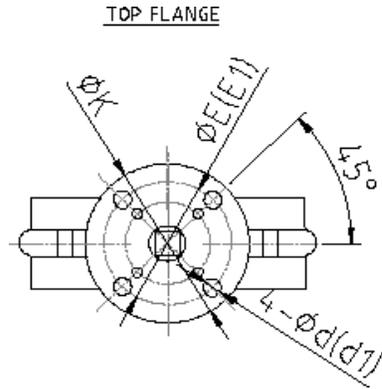
WAFER STYLE NOTCHED BUTTERFLY VALVE

SM570



Mounting Pad (Inches)

Size	ISO 5211	Ø K	Ø E	Ø E1	4-Ød	4-Ød1
2"	F05	4.00	3.25	1.97	4-Ø0.44	4-Ø0.28
2-1/2"	F05	4.00	3.25	1.97	4-Ø0.44	4-Ø0.28
3"	F05	4.00	3.25	1.97	4-Ø0.44	4-Ø0.28
4"	F07	4.00	3.25	2.76	4-Ø0.44	4-Ø0.39
5"	F07	4.00	3.25	2.76	4-Ø0.44	4-Ø0.39
6"	F07	4.00	3.25	2.76	4-Ø0.44	4-Ø0.39
8" - 10"	F10	6.05	5.00	4.02	4-Ø0.56	4-Ø0.47
12"	F10	6.05	5.00	4.02	4-Ø0.56	4-Ø0.47

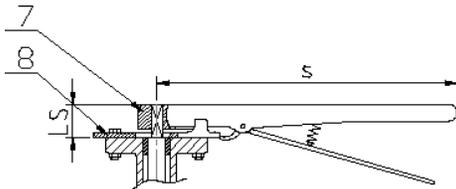


Lever (Inches)

Size	S	LS	Weight
2" - 3"	8.66	1.02	1.98
4" - 6"	10.24	1.06	1.98
8" - 10"	13.98	1.50	4.30
12"	19.88	1.57	5.07

Torque (In-Lbs)

Size	200 PSI
2"	164
2-1/2"	226
3"	297
4"	496
5"	735
6"	1193
8"	2246
10"	3738
12"	5440



Gear Operator (Inches)

Size	Ø W	L1	L2	L3	L4	L5	Weight
2" - 6"	5.91	5.98	2.05	2.95	1.77	2.05	8.38
8" - 10"	11.81	9.84	2.95	3.39	2.48	2.95	17.64
12"	11.81	8.94	3.19	3.27	3.19	3.19	21.83

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Seat Temperature Ratings

Material	Temperature Ratings °F
Buna-N	+14 to 199
EPDM	-4 to 230
Viton®	+14 to 275

CV Values – Valve Sizing Coefficients (US-GPM @ 1ΔP) 2" to 24"

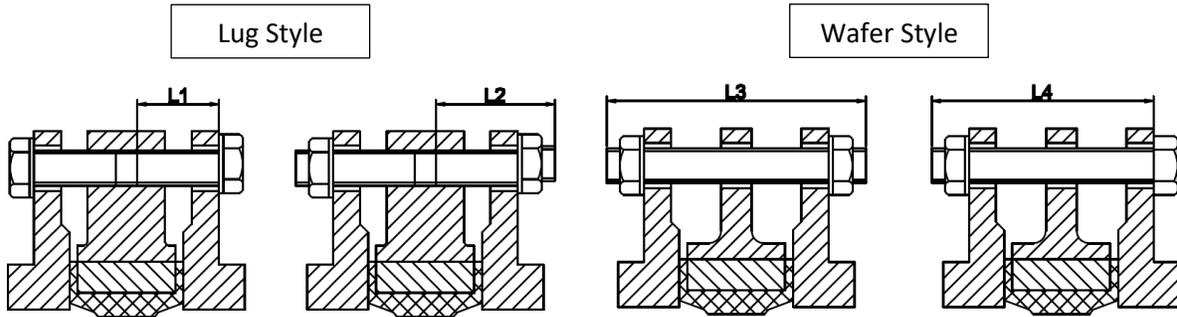
Size	10°	20°	30°	40°	50°	60°	70°	80°	90°
2"	0.06	3.0	7.0	15	27	44	70	105	115
2-1/2"	0.10	6.0	12	25	45	75	119	178	196
3"	0.20	9.0	18	39	70	116	183	275	302
4"	0.30	17	36	78	139	230	364	546	600
5"	0.50	29	61	133	237	392	620	930	1,022
6"	0.80	45	95	205	366	605	958	1,437	1,579
8"	2.0	89	188	408	727	1,202	1,903	2,854	3,136
10"	3.0	151	320	694	1,237	2,047	3,240	4,859	5,340
12"	4.0	234	495	1,072	1,911	3,162	5,005	7,507	8,250
14"	6.0	338	715	1,549	2,761	4,568	7,230	10,844	11,917
16"	8.0	464	983	2,130	3,797	6,282	9,942	14,913	16,388
18"	11	615	1,302	2,822	5,028	8,320	13,168	19,752	21,705
20"	14	791	1,647	3,628	6,465	10,698	16,931	25,396	27,908
24"	22	1,222	2,587	5,605	9,989	16,528	26,157	39,236	43,116

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WAFER STYLE NOTCHED BUTTERFLY VALVE

SM570



Size	# Bolts	Lug			Wafer	
		Threading	Cap Screw L1	Stud & Nut L2	Stud & 2 Nuts L3	Cap Screw L4
2"	4	4-5/8"-11 (UNC)	1 1/2	2 3/4	5	4 1/2
2-1/2"	4	4-5/8"-11 (UNC)	1 1/2	2 3/4	5 1/4	5
3"	4	4-5/8"-11 (UNC)	1 3/4	3	5 1/2	5
4"	8	8-5/8"-11 (UNC)	1 3/4	3	5 3/4	5 1/4
5"	8	8-3/4"-10 (UNC)	1 3/4	3 1/4	6	5 1/2
6"	8	8-3/4"-10 (UNC)	2	3 1/4	6 1/4	5 1/2
8"	8	8-3/4"-10 (UNC)	2 1/4	3 1/2	6 3/4	6
10"	12	12-7/8"-9 (UNC)	2 1/4	3 3/4	7 1/4	6 3/4
12"	12	12-7/8"-9 (UNC)	2 1/2	3 3/4	7 3/4	7 1/4
14"	12	12-1"-8 (UNC)	2 3/4	4	8 1/4	7 3/4
16"	16	16-1"-8 (UNC)	3 1/4	4 1/2	9 1/4	8 3/4
18"	16	16-1-1/8"-7 (UNC)	3 1/2	5	10 1/4	9 1/2
20"	20	20-1-1/8"-7 (UNC)	4	5 1/4	11 1/4	10 1/2
24"	20	20-1-1/4"-7 (UNC)	4 1/2	5 3/4	12 3/4	12

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