

"The Life Guard" Type SP Butterfly Valve

New Product from Asahi/America

Introducing the First PVC Butterfly Valve Exclusively Designed for the Aquatic Life Support Industry



"A name you trust, a product priced the way you want"

NOW AVAILABLE:

Made in Malden, Massachusetts by a name you can trust, Asahi/America.

FULL SIZE RANGE:

Available in sizes 1 1/2" to 12".

ENGINEERED FOR FIELD OPTIONS:

ISO mount design allows for easy field installation options like stem extensions, gear operators, and electric or pneumatic actuation.

SELF GASKETING:

Seat design eliminates the need for mating flange gaskets.

NO MAINTENANCE REQUIRED:

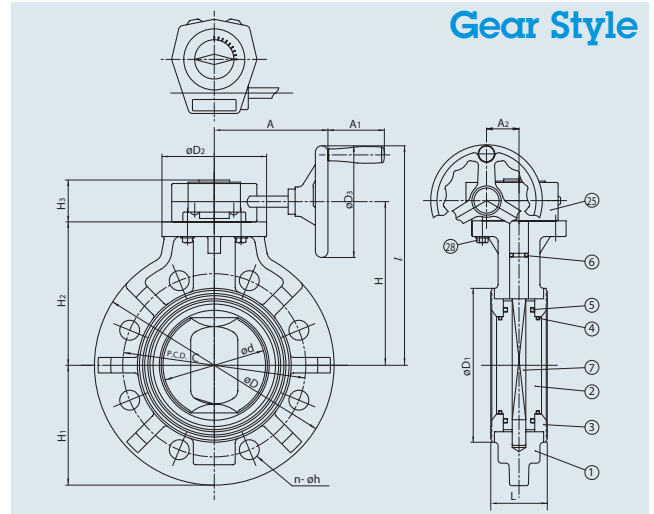
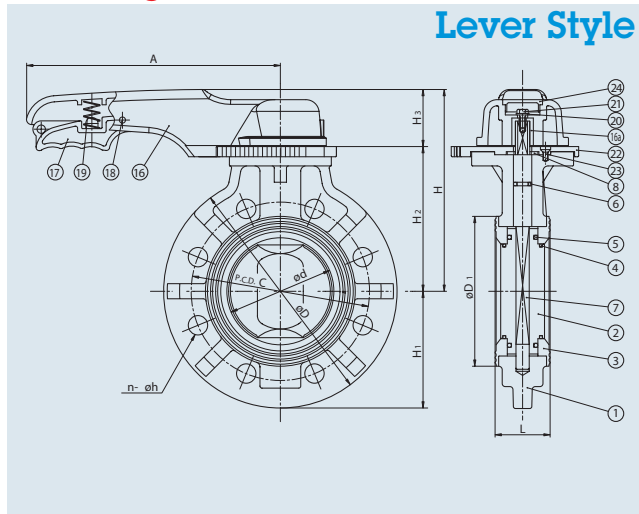
Thermoplastic material and Asahi design provide peace of mind and dependability. Once installed this new valve requires no additional maintenance, provided it is compatible with the service.



**Ask for our
New "Life Guard"
SP Butterfly Valve
By NAME !**

NEW "Life Guard" Type SP Butterfly Valve

Drawings



Dimensions

NOMINAL SIZE		ANSI CLASS 150																				
INCHES	mm	d	C	n	h	D	D1	D2	D3	L	H (Lever)	H (Gear)	H1	H2 (Lever)	H2 (Gear)	H3 (Lever)	H3 (Gear)	I	A (lever)	A (Gear)	A1	A2
1 1/2	40	1.85	3.88	4	0.62	5.91	3.23	3.94	6.30	1.54	6.14	4.88	2.95	3.94	3.74	2.20	2.36	8.03	8.66	6.57	3.15	1.85
2	50	2.24	4.75	4	0.75	6.50	3.43	3.94	6.30	1.65	6.37	5.12	3.27	4.17	3.98	2.20	2.36	8.27	8.66	6.57	3.15	1.85
2 1/2	65	2.80	5.50	4	0.75	7.28	4.41	3.94	6.30	1.81	6.81	5.55	3.66	4.61	4.41	2.20	2.36	8.70	8.66	6.57	3.15	1.85
3	80	3.15	6.00	4	0.75	7.87	4.84	3.94	6.30	1.81	7.08	5.83	3.94	4.88	4.69	2.20	2.36	8.98	9.84	6.57	3.15	1.85
4	100	4.13	7.50	8	0.75	9.02	5.79	3.94	6.30	2.20	7.79	6.54	4.53	5.59	5.39	2.20	2.36	9.69	9.84	6.57	3.15	1.85
6	150	6.06	9.50	8	0.88	11.22	8.27	6.50	6.30	2.80	10.00	8.11	5.63	7.28	6.97	2.72	2.36	11.26	12.60	6.57	3.15	1.85
8	200	8.03	11.75	8	0.88	13.39	10.12	7.87	7.87	3.43	11.26	9.37	6.69	8.54	8.23	2.72	2.36	12.52	15.75	6.57	3.15	1.85
10	250	10.08	14.25	12	1.00	15.98	12.44	7.87	7.87	4.33	-	10.63	7.99	-	9.49	-	2.36	14.57	-	7.83	3.74	2.36
12	300	12.60	17.00	12	1.00	19.02	14.57	9.25	9.84	5.08	-	12.87	9.53	-	11.73	-	2.72	17.80	-	8.35	3.74	2.99

Parts List

PARTS			
NO.	DESCRIPTION	PCS.	MATERIAL
1	Body	1	PVC
2	Disc	1	PVC
3	Seat	1	EPDM
4	O-Ring (A) *	2	EPDM
5	O-Ring (B)	2	EPDM
6	O-Ring (C)	1	EPDM
7	Stem	1	Stainless Steel 316
8	Stem Holder	1	Stainless Steel 304
16	Handle	1	PP
16a	Metal Insert in Handle	1	Stainless Steel 316
17	Handle Lever	1	PPG
18	Pin	1	PPG
19	Spring	1	Stainless Steel 304
20	Washer (A)	1	Stainless Steel 304
21	Bolt (B)	1	Stainless Steel 304
22	Locking Plate	1	PPG
23	Screw (B)	4	Stainless Steel 304
24	Cap (A)	1	PP
25	Gear Box	1	Diecast Aluminum Power Coated **
28	Bolt (C)	4	Stainless Steel 304

* Used for sizes 2" through 12"
** Consult Factory for Submerged Applications

Sample Specifications

All "Life Guard" Type SP Butterfly Valves sizes 1 1/2"-12" shall be of a Pvc Body, Pvc Disc and Epdm construction suitable for fresh water applications. Stem shall be of 316 stainless steel and non-wetted. Valves shall be a self-gasketing design with a convex sealing arrangement. All "Life Guard" Type SP (1 1/2"-10") valves shall be rated to 150 psi and size (12") 100 psi at 70 degrees F as manufactured by Asahi/America.

Features and Benefits

Submersible:

Material of construction allows complete submersion of valve body as all components are compatible with fresh water.

PVC/PVC/EPDM Construction:

Ideal for fresh water applications.

Blue Handle Design:

New blue handle designates the proper valve is in place for fresh water applications.

316SS Non-wetted stem:

Stem does not come in contact with the media but is still compatible if in direct contact.

Thermoplastic Material:

Lightweight construction allows for easy installation.

ISO Mounting Pad:

Allows for field mounting of accessories including stem extensions, gear operators & automation.

Pressure vs Temperature

NOMINAL SIZE		30 °F	120 °F
INCHES	mm		
1 1/2	40	150 PSI	
2	50	150 PSI	
2 1/2	65	150 PSI	
3	80	150 PSI	
4	100	150 PSI	
6	150	150 PSI	
8	200	150 PSI	
10	250	150 PSI	
12	300	100 PSI	

Weight

NOMINAL SIZE		Lever/Gear Operated
INCHES	mm	
1 1/2 (L)	40	2.7 LBS
2 (L)	50	3.1 LBS
2 1/2 (L)	65	3.5 LBS
3 (L)	80	4.0 LBS
4 (L)	100	5.5 LBS
6 (L)	150	13.3 LBS
8 (L)	200	19.9 LBS
8 (G)	250	24.3 LBS
10 (G)	300	41.0 LBS
12 (G)	350	58.4 LBS

CV Values

NOMINAL SIZE		Cv (at various opening degrees)		
INCHES	mm	30°	60°	90°
1 1/2	40	2.9	43.3	71
2	50	3.9	56.1	92
2 1/2	65	5.9	85.4	140
3	80	9.3	134	220
4	100	15.1	231	380
6	150	46.6	671	1100
8	200	106	1425	2500
10	250	270	1476	3600
12	300	408	2140	5160