



BYB Series Industrial Butterfly Valves Lever Operated Only



2" to 8" • Bodies - PVC, CPVC, PPL, and PVDF • Disks - CPVC, PPL, and PVDF



A Better Butterfly Valve

Hayward's BYB Series Industrial Butterfly Valves 2" through 8" are rated at a full 150 PSI. Unlike other plastic butterfly valves, these valves are constructed from a one piece body that incorporates slot designed bolt holes to accommodate ANSI and DIN pipe flanges. Their heavy duty construction stands up to the most demanding applications.

Extra Features, No Extra Cost

BYB Series Butterfly Valves feature a stainless steel stem and a lever handle with a built in lockout feature.

Better Sealing

Other plastic butterfly valves have only a thin o-ring on the disk to seal the valve, but Hayward valves feature a full body double liner seal and a liner retention slot. This means that the process media never contacts the valve body. And you can count on the full liner seal to perform reliably, year after year.

No Metal, No Corrosion

These valves have no metal in contact with the process media. They cannot corrode or rust – nor will they contaminate sensitive fluids flowing through them.

Features

- Rated at 150 PSI
- Stainless Steel Stem
- Fully Supported Flange Bolt Holes
- FPM or EPDM Liners
- Wafer Body Design
- Slot Design for ANSI, DIN

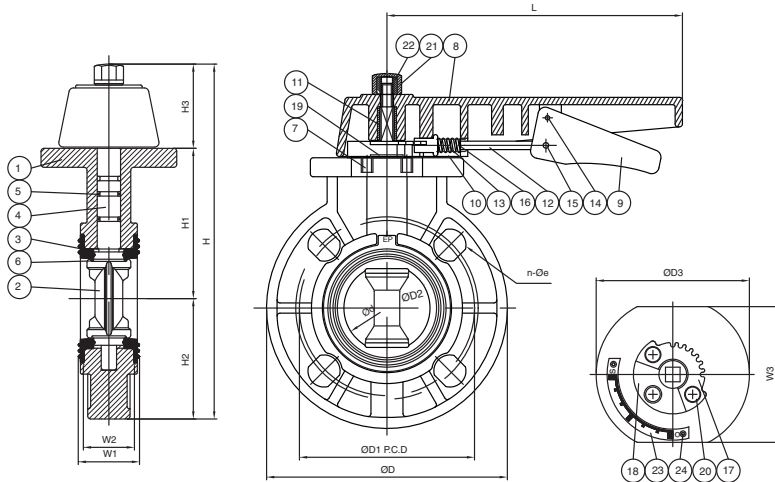
Options

- Gear Operators
- Actuation Available
- Type 316 SS or 304 SS Stems



Technical Information

Lever Handle Operator



Parts List Lever Handle Operator Butterfly Valves

- | | |
|---------------------|-----------------------|
| 1. Body | 13. Spring |
| 2. Disc | 14. Spring Pin |
| 3. Seat Seal | 15. Spring Pin |
| 4. Stem | 16. Washer |
| 5. Stem O-Ring | 17. Locking Plate |
| 6. Disc O-Ring | 18. Gear Seat |
| 7. Insert Nut 2"-6" | 19. Stem Washer 2"-5" |
| 8. Large Handle | 20. Bolt |
| 9. Small Handle | 21. Nut |
| 10. Spring Lock | 22. Insert Nut |
| 11. Handle Insert | 23. Level |
| 12. Handle Lever | 24. Rivet |

Dimensions - Inches / Millimeters (Lever Handle Operator)

Size	D1	n-Øe	D	D2	D3	L	H	H1	H2	H3	W1	W2	W3
2 / 50	4.76 / 121	4-19	6.50 / 165	2.22 / 56.5	4.13 / 105	7.83 / 199	9.78 / 248.5	4.06 / 103	3.25 / 82.5	2.48 / 63	1.69 / 43	1.38 / 35	3.70 / 94
2-1/2 / 65	5.51 / 140	4-19	7.28 / 185	2.74 / 69.5	4.72 / 120	7.83 / 199	10.53 / 267.5	4.45 / 113	3.64 / 92.5	2.44 / 62	1.81 / 46	1.42 / 36	3.70 / 94
3 / 80	5.98 / 152	4-19	7.87 / 200	3.13 / 79.5	4.84 / 123	7.83 / 199	10.91 / 277	4.53 / 115	3.94 / 100	2.44 / 62	1.81 / 46	1.42 / 36	3.70 / 94
4 / 100	9.25 / 191	8-19	9.02 / 229	4.04 / 102.5	5.31 / 135	9.92 / 252	12.44 / 316	5.33 / 135.5	4.51 / 114.5	2.60 / 66	2.20 / 56	1.85 / 47	3.94 / 100
5 / 125	8.50 / 216	8-22	10.12 / 257	5.12 / 130	6.46 / 164	11.69 / 297	14.70 / 373.5	6.50 / 165	5.06 / 128.5	3.15 / 80	2.72 / 69	2.24 / 57	4.33 / 110
6 / 150	9.49 / 241	8-22	11.22 / 285	6.02 / 153	6.65 / 169	11.69 / 297	15.93 / 404.5	6.97 / 177	5.61 / 142.5	3.27 / 83	2.78 / 70.5	2.44 / 62	3.94 / 100
8 / 200	11.73 / 298	8-22	13.50 / 343	7.99 / 203	7.91 / 201	11.69 / 297	18.29 / 464.5	8.27 / 210	6.75 / 171.5	3.27 / 83	3.35 / 85	2.99 / 76	4.80 / 122

Selection Chart

Size	Body Material	Disc Material	Stem Material*	Liner	Operator	Pressure Rating
2" to 8"	PVC, CPVC, PPL, & PVDF	CPVC, PPL, & PVDF	410 SSSL	FPM or EPDM	Lever	150 PSI @ 70°F Non-Shock

*Type 316 SS or 304 SS stems available. Consult factory.

Pressure Loss Calculation Formula

$$\Delta P = \left[\frac{Q}{Cv} \right]^2$$

ΔP = Pressure Drop
Q = Flow in GPM
Cv = Flow Coefficient

Operating Temperature/Pressure

