

SERIES ST HIGH PERFORMANCE BUTTERFLY VALVE

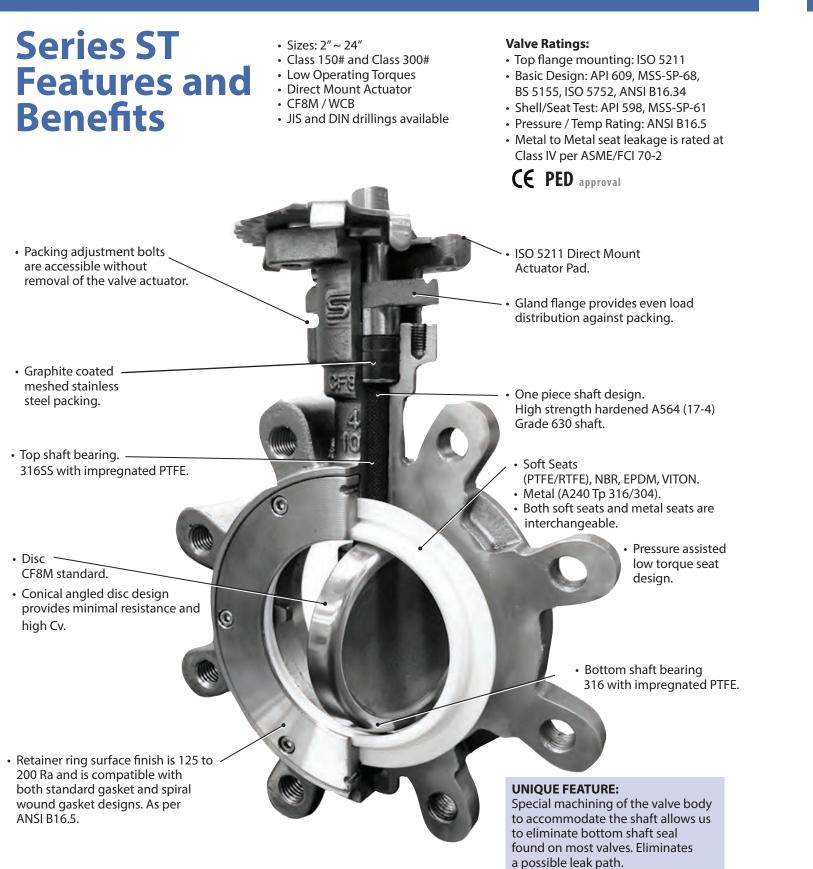
Series ST High Performance Butterfly Valve



4922 Technical Drive, Milford, MI 48381 • 248.685.9938 • www.triadprocess.com



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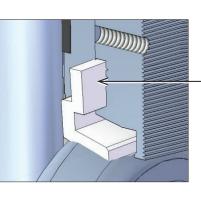


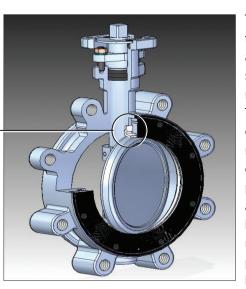
TRIAD[®]

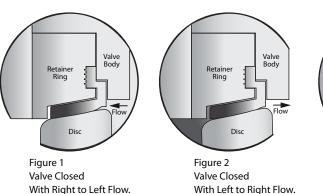
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ST HIGH PERFORMANCE FEATURES

Triad's Engineered Seat Design







With Left to Right Flow.

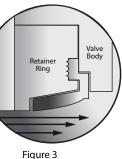
Unique Cantilever design seat provides pressure assisted sealing regardless of the flow direction. **NOTE:** Figure 1 is the desired way to install the valve because the retainer ring provides seat isolation from the flow.



Welded travel stop prevents over travel of the disc. (Positions the disc for optimal sealing.)

High strength one-piece in A564 Gr. 630 / PH 17-4 A351 shaft and CF8M disc are welded together with a secured pin during assembly. Welded pins are staked to prevent loosening.

The ST High Performance Butterfly valve features a carbon or stainless steel body and is ideal for commercial and industrial services. The body and disc are carefully manufactured by investment cast methods. The carbon steel body includes a powder coated epoxy finish. The valve features a direct mount actuator design. The valve has a dual offset disc design to extend seat life. A one piece 17-4 PH stem is provided for strength and is lubricated with TFE coated stainless steel bearings. The valve packing is graphite coated meshed stainless steel. The gland flange applies pressure to the packing to prevent external leakage. This feature is also fully adjustable. The lug body provides leak-tight deadend service.

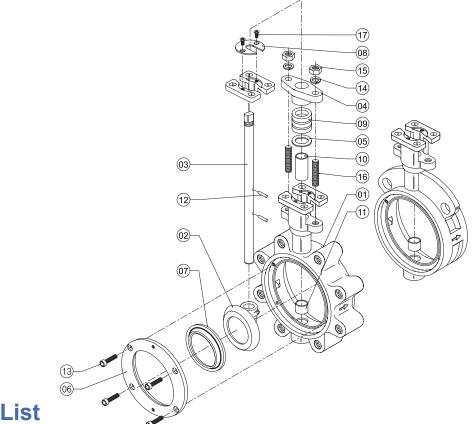


Valve Open With Media Flow

The ST High Performance butterfly valve provides excellent proportion control and features positive shutoff. The unique shape of the soft seat flexes against the disc under pressure to provide bubble tight sealing at all pressures. The simple design of the seat does not require o-rings that can swell or metal rings that can corrode.



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Material List

NO.	DESCRIPTION	MATERIAL	Q'TY
1	Body	A216 WCB / A351 CF8M	1
2	Disc	A351 CF8M	1
3	Stem	A 564 Gr. 630	1
4	Gland Flange	A216 WCB / A351 CF8M	1
5	Packing Retainer	A276 Tp 316	1
6	Retainer Ring	A351 CF8M	1
7	Seat	PTFE/RTFE/ METAL A240/ NBR / EPDM / VITON	1
8	Top Retainer	A283D - A36 / A276 Tp 316	1
9	Grand Packing	Graphite	3
10	Upper Bearing	R.TFE + 316SS	1
11	Lower Bearing	R.TFE + 316SS	1
12	Disc Pin	A276 Tp 316	2
13	Hex Socket Bolt	A283D - A36 / A276 316SS	4 ~ 14
14	Spring Washer	A283D - A36 / A276 316SS	2
15	Hex Nut	A283D - A36 / A276 316SS	2
16	Stud Bolt	A283D - A36 / A276 316SS	2
17	Flat Head Screw	A283D - A36 / A276 316SS	2

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