



The Superior Butterfly Valve with the Most Corrosion Resistant Standard Disc & Stem for the Chemical & Food Processing Industry

Sure Seal Series **890-893**

Butterfly Valves
PATENTED

Sizes 2"-12" 125/150 ANSI

*Interchangeable with Keystone
Figure 099 and 993 valves*

SURE SEAL INCORPORATED IS PROUD TO BE

ISO 9001
certified

ABS[®]
TYPE APPROVAL

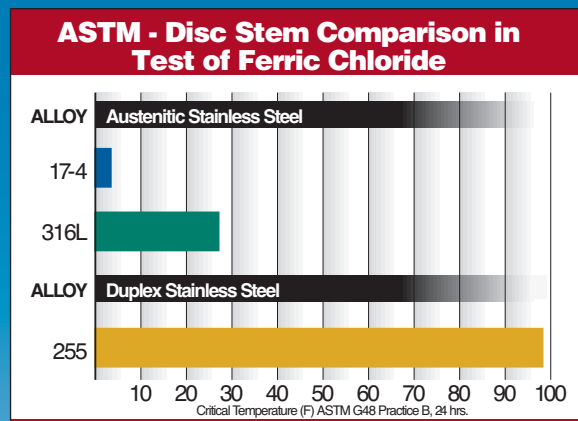
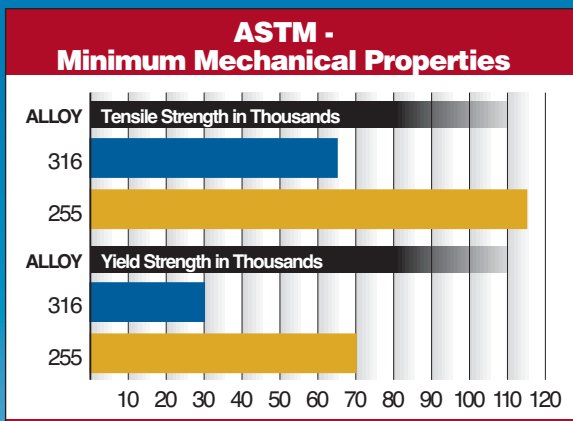


The Sure Seal Valve line comes to you with new and improved patented designs and concepts.

A Lot More Valve For A Lot Less Cost.

U.S. Patent #5207411
Teflon[®] is a registered trademark of E.I. DuPont Co.

The reason why Sure Seal is clearly the Superior Butterfly Valve on the Market Today



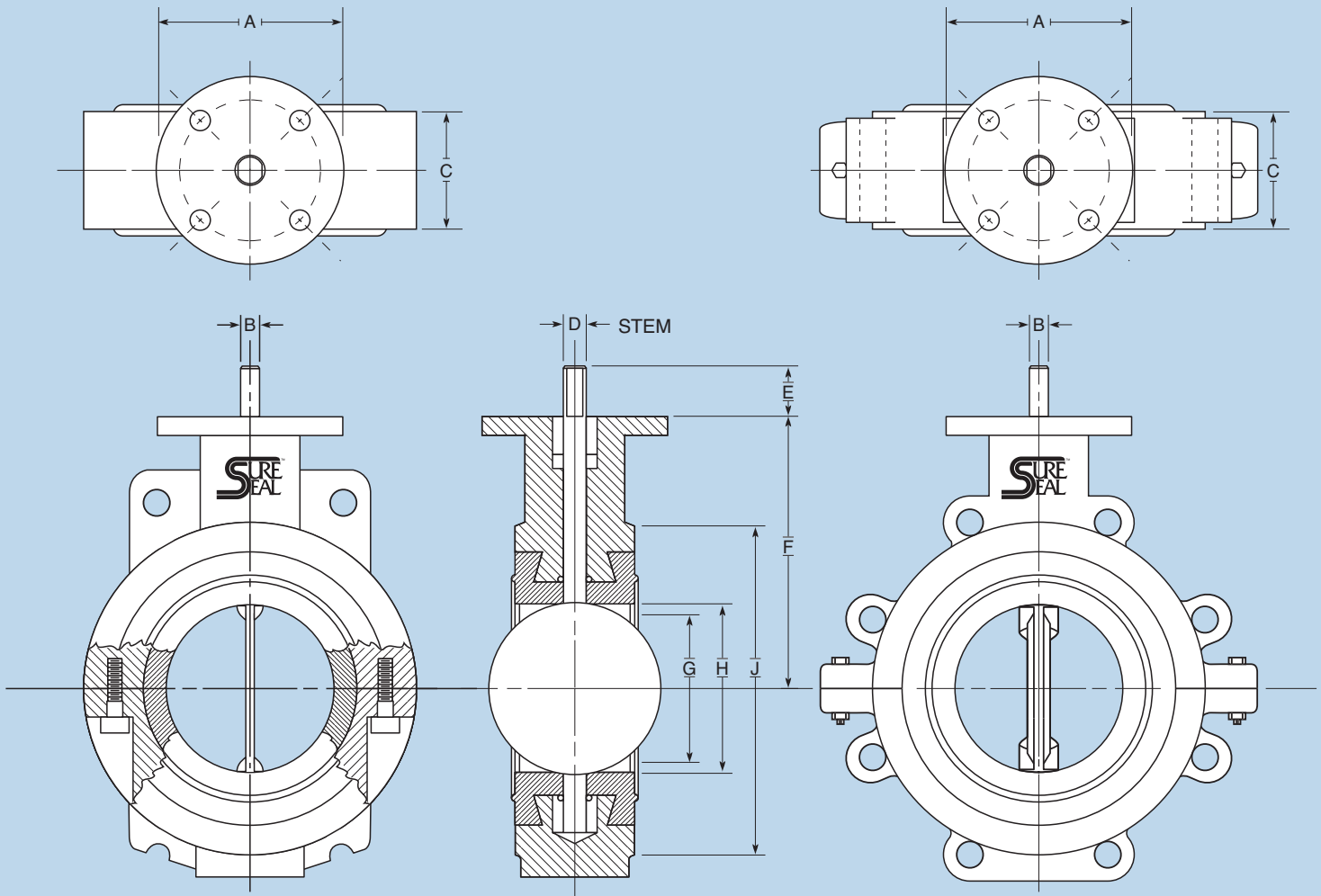
Sure Seal's standard is a 255 duplex stainless which is more corrosion resistant and almost twice as strong as all other butterfly valve manufacturers standard 316 stainless steel. This eliminates shaft twisting and water hammer damage which other butterfly valve manufacturers have to make their disc thicker to handle water hammer which also reduces the CV of their valve. With Sure Seal's standard no other valve has higher Cv's with this super thin disc design and the strength to handle the service. Other materials also available. Bar graph above is showing a comparison of the ASTM minimum mechanical properties of 316 stainless steel to 255 stainless steel. Bar graph above right is showing Sure Seal's standard disc stem material 255 to other manufacturers optional 316L and 17-4 disc stem in an ASTM test of Ferric Chloride, a common method of comparing corrosion resistance in stainless steels.



The chemical and food processing industry needed a truly sanitary valve and with Sure Seal's patented O-Seals they got just that. As the O-Seal seals at the back side of the seat top and bottom and also at the stem entry top and bottom it forms an absolute seal making it the truly sanitary valve on the market today. O-Seals are available in Buna-N, EPDM, Viton® and Teflon®. In either wafer style 890 or a full lug body 893 drilled and tapped for 125 to 150 ANSI flanges. With Sure Seal's slim disc design no other valve has higher CV's and with rounded, hand polished disc and hub edges reduce friction torque to maintain seat life. Seat's are available in 14 different compounds including Sure Seal's special FDA approved All Season nitrile which can handle temperatures from 300 to -40 and still stay resilient, flexible, and very abrasion resistant. Now you can save on valves and replacement parts for your existing valves. Sure Seal's 890/893 are dimensionally interchangeable with Keystone 99/993.

Sure Seal Series 890/893

Sure Seal Series 890/893 are dimensionally interchangeable with Keystone Fig. 99/993



Valve Size

Valve Dimension	2	3	4	5	6	8	10	12
A	4.00	4.000	4.000	4.000	4.000	6.000	6.000	6.000
B	.375	.375	.438	.438	.500	.625	—	—
C	1.625	1.750	2.000	2.125	2.125	2.500	2.500	3.000
D	.563	.563	.625	.625	.750	.875	1.125	1.125
E	1.250	1.250	1.250	1.250	1.250	1.250	2.000	2.000
F	3.938	4.875	6.000	6.000	6.500	8.313	9.000	10.282
G	1.688	2.875	3.875	5.000	6.000	8.000	10.063	11.938
H	2.125	3.125	4.125	5.188	6.125	8.125	10.125	12.063
J	4.125	5.313	6.750	7.750	8.750	10.875	13.250	16.063

GENERAL NOTES:

- C = INSTALLED WIDTH
- G = MINIMUM ALLOWABLE INSIDE DIA. OF PIPE OR MATING FLANGE
- 2" - 8" — D = STEM CONNECTION DIA.; B = FLATS
- 10" - 12" — D = STEM CONNECTION DIA.; KEYWAY = .250 X .250
- * Weight based on Cast Iron Body and 255 Stainless Steel disc/stem.

Top Plate Drilling

	2	3	4	5	6	8	10	12
No. Holes	4	4	4	4	4	4	4	4
Bolt Circle	3.250	3.250	3.250	3.250	3.250	5.000	5.000	5.000
Hole Dia.	.438	.438	.438	.438	.438	.563	.563	.563

Weight in Pounds*

	2	3	4	5	6	8	10	12
890	6	9	11	15	17	29	44	85
893	8	11	17	—	26	42	65	108

Lug Tapping Data

	2	3	4	5	6	8	10	12
Bolt Circle	4.750	6.000	7.500	—	9.500	11.750	14.250	17.000
No. Holes	4	4	8	—	8	8	12	12
Tap	.625-11 UNC			.750-10 UNC		.875-9 UNC		



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Making a big difference to your bottom line.

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10544 Industrial Park Drive • Mineral Point, Missouri 63660 • (573) 438-5000 or (800) 382-1604 • Fax (573) 438-4853
www.suresealinc.com • ssi@suresealinc.com