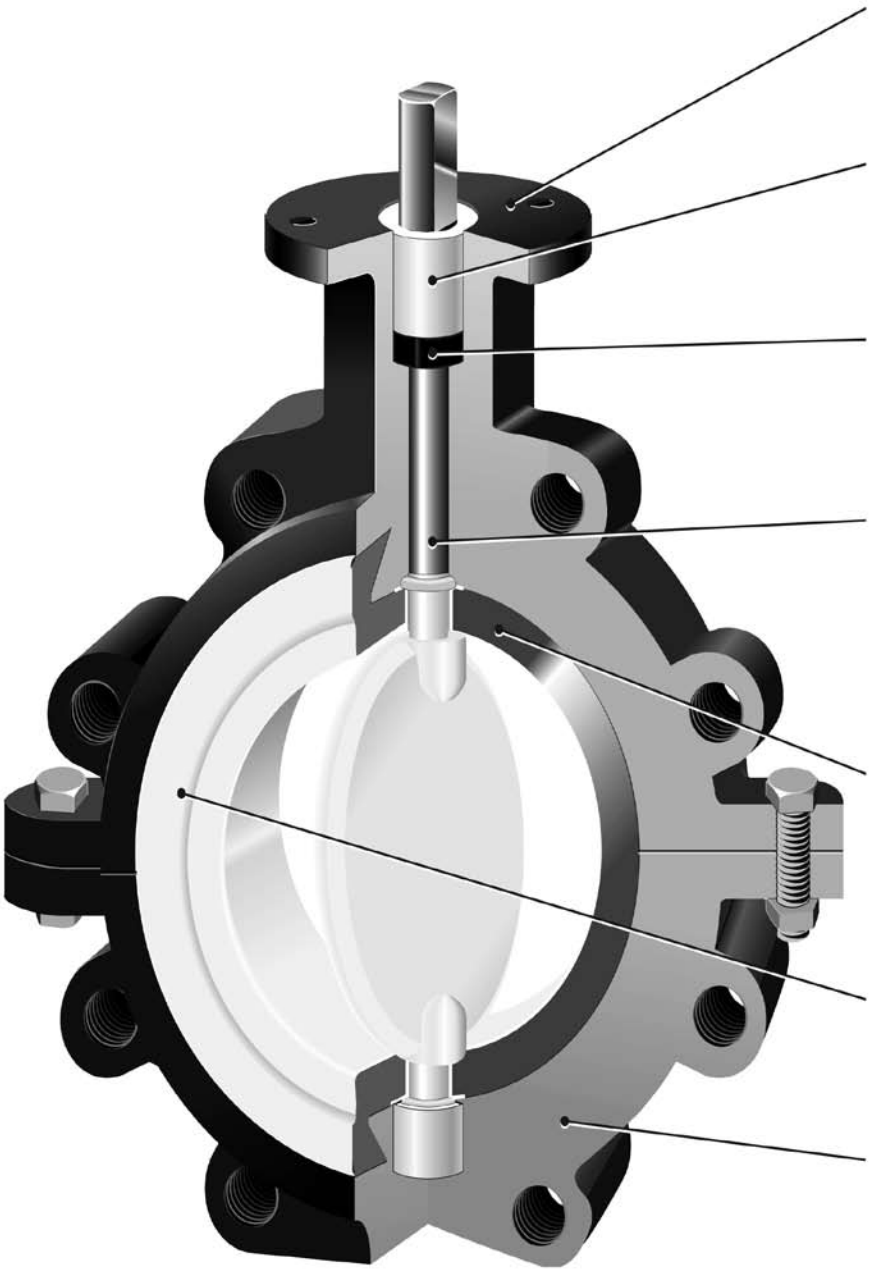
Series 700

Features and Benefits



Mounting Flange:

Standard drilling accommodates 10-position handle kits, gear operators, or direct actuator mounting. ISO 5211 drilling template also available.

Stem Bushings:

Due to the unique design of the Center Line Series 700 valves, the ertalyte bushings absorb the radial thrust of gear operators and actuation to keep the disc/stem stable and centered.

Weather Seal:

EPDM, Buna-N, or Viton® stem seal protects media from external environment as well as ensures line media remains within the pressure boundaries of the valve.

Disc/Stem:

Standard disc is duplex stainless steel (255 stainless) which is corrosion resistant and stronger than 316 stainless. The disc and stem are one piece to minimize potential damage from over-torquing and line surges. Also available as Teflon®-encapsulated 255 SS.

Seat:

Center Line Series 700 standard liner is Buna-N. This liner comes with FDA approval in either black or white. It is also Abrasion Resistant. EPDM and Viton are readily available. PTFE backed with EPDM or Viton as well as other materials are also available.

Seat Face:

Liner extends away from the body of the valve to contact flange face. The compression of the seat allows for a tight seal against all standard flanges.

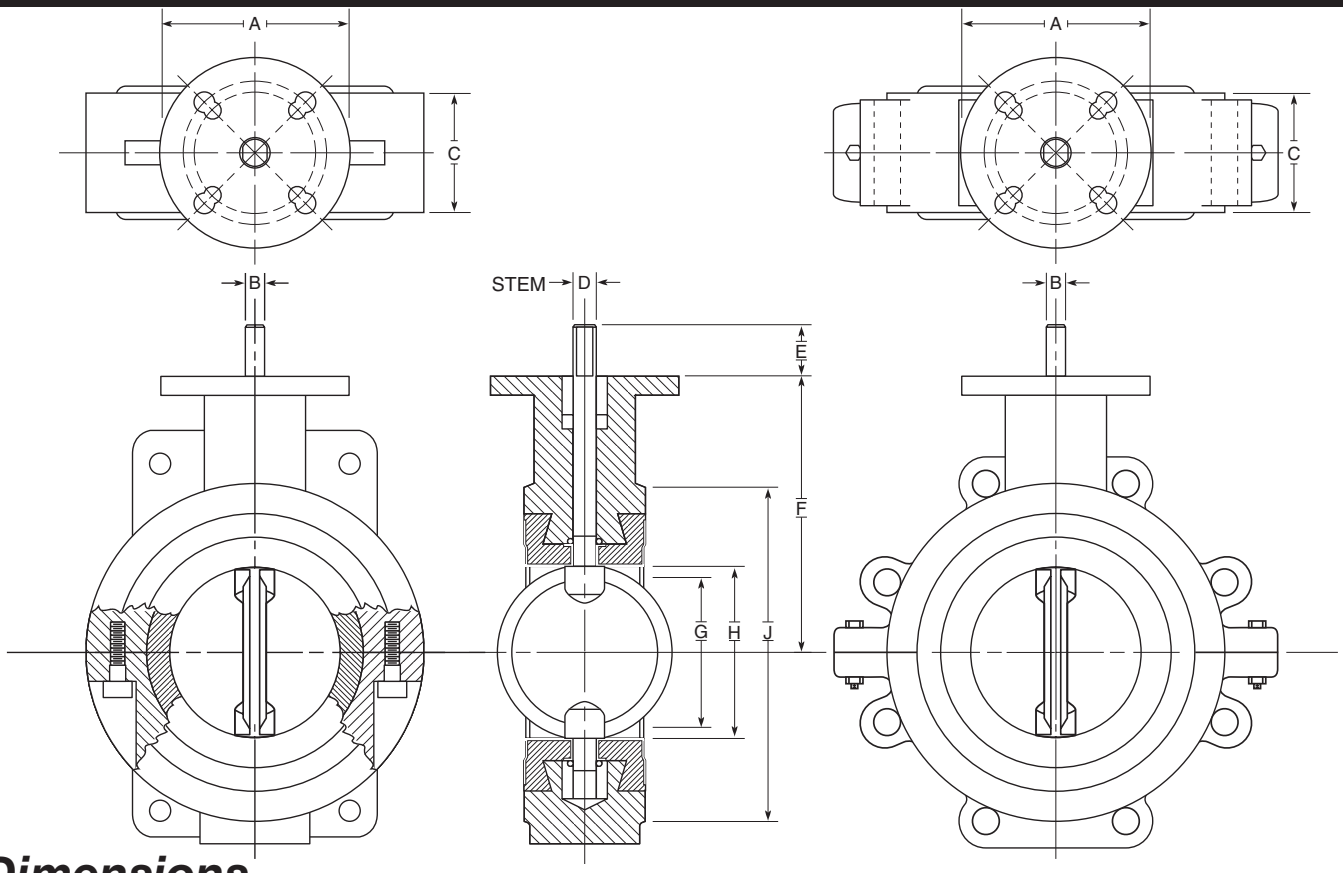
Body:

Standard material is Ductile Iron which is suitable for lug style class 150 ASME drilling patterns. Provides superior strength in wafer style. Stainless Steel 2-piece wafer or lug are also available.

Resilient Seated Butterfly Valves

CENTER LINE

Series 700



Dimensions

For installation and maintenance instructions, please refer to the IOM manual available at www.cranevalvelit.com

	1	1.5	2	2.5	3	4	5	6	8	10	12
A	2.560	2.560	4.000	4.000	4.000	4.000	4.000	4.000	6.000	6.000	6.000
B	.250	.250	.375	.375	.375	.438	.500	.500	.625	—	—
C	1.125	1.188	1.625	1.750	1.750	2.000	2.125	2.125	2.500	2.500	3.000
D	.375	.375	.563	.563	.563	.625	.750	.750	.875	1.125	1.125
E	.750	.750	1.250	1.250	1.250	1.250	1.250	1.250	1.250	2.000	2.000
F	3.540	4.120	3.938	4.500	4.875	6.000	6.000	6.500	8.313	9.000	10.625
G	.625	1.438	1.375	2.063	2.563	3.625	4.750	5.500	7.500	9.594	11.563
H	1.188	1.750	2.000	2.500	3.000	4.000	5.000	5.750	7.750	9.750	11.750
J	2.437	3.218	4.125	4.825	5.250	6.750	7.625	8.625	10.812	13.375	16.188

"C" IS INSTALLED WIDTH • "G" IS MIN. ALLOWABLE INSIDE DIA. OF PIPE OR MATING FLANGE
1"-8" — "D" IS STEM CONNECTION DIA.; "B" IS FLATS • 10" - 12" — "D" IS STEM CONNECTION DIA.; KEYWAY IS .250 X .250

Top Plate Drilling Pattern

	1	1.5	2	2.5	3	4	5	6	8	10	12
No. Holes	N/A	N/A	4	4	4	4	4	4	4	4	4
Bolt Circle	–	–	3.250	3.250	3.250	3.250	3.250	3.250	5.000	5.000	5.000
Hole Dia.	–	–	.438	.438	.438	.438	.438	.438	.563	.563	.563

ISO	1	1.5	2	2.5	3	4	5	6	8	10	12
No. Holes	4	4	4	4	4	4	4	4	4	4	4
Bolt Circle	1.970	1.970	2.760	2.760	2.760	2.760	2.760	2.760	4.020	4.020	4.020
Hole Dia.	.281	.281	.375	.375	.375	.375	.375	.375	.406	.406	.406

Standard and ISO drilling come on each valve

VELOCITY LIMITS - FOR ON/OFF SERVICES
FLUIDS - 9 M/S (30 FT/SEC) GASES - 54 M/S (175 FT/SEC)

Weight*

	1	1.5	2	2.5	3	4	5	6	8	10	12
Water	2	4	6	8	9	11	15	17	29	44	85
Lug	N/A	N/A	8	10	11	17	21	26	42	65	108

*Based on 255 Stainless Steel disc/stem and Cast Iron Body.

Bolt Circle and Tapped Lug

	1	1.5	2	2.5	3	4	5	6	8	10	12
Bolt Circle	3.125	3.875	4.750	5.500	6.000	7.500	8.500	9.500	11.750	14.250	17.000
No. Holes	4	4	4	4	4	8	8	8	8	12	12
Tap	N/A		.625-11 UNC				.750-10 UNC			.875-9 UNC	