

## High Pressure | Wafer & Lug Resilient Seated Butterfly Valve



2"-24" Bi-Directional 250 PSI Double Dead-End Service (Lug)



### Bill of Materials

#	Description	Materials
1	Body	Ductile Iron ASTM A536
2	Stem Retainer	Carbon Steel, Plated
3	Seat	EPDM or BUNA
4	Stem Retainer Screws	Carbon Steel, Plated
5	Stem	Stainless Steel 17-4 PH
6	Disc	Stainless Steel ASTM A351 CF8M or Nylon 11 Coated Ductile Iron
7	Bushing	PTFE
8	O-Ring	BUNA
9	Nameplate Tag	Aluminum

Malleable Iron Handles Up to 6"  
Gear Operators 8"-24"

### Features

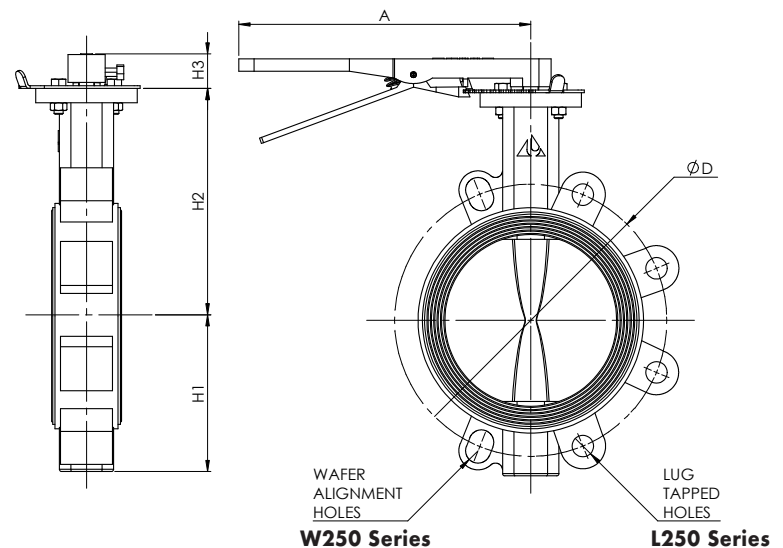
- Industry Leading 3-Year Limited Warranty
- W250 Series Wafer Ductile Iron Body sizes 2" - 24"
- L250 Series Lug Ductile Iron Body sizes 2" - 24"
- Bi-Directional Shutoff 250 PSI
- Bi-Directional Dead End Service 250 PSI (Lug only)
- Install between Standard ANSI class 125/150 flanges
- W250 Series Wafer also compatible with PN10/PN16 flanges
- ISO 5211 square drive shaft for optional automation
- Conforms to MSS-SP-67, MSS-SP-25, API 609
- Designed for blowout-proof service
- Permanent Integral Seat Design
- Vacuum service capable (Please consult factory)

### Approvals

- CRN

\*Note: Approval Process Underway. Pending.

### 1.5"- 6" Lever Operated Drawings & Dimensions

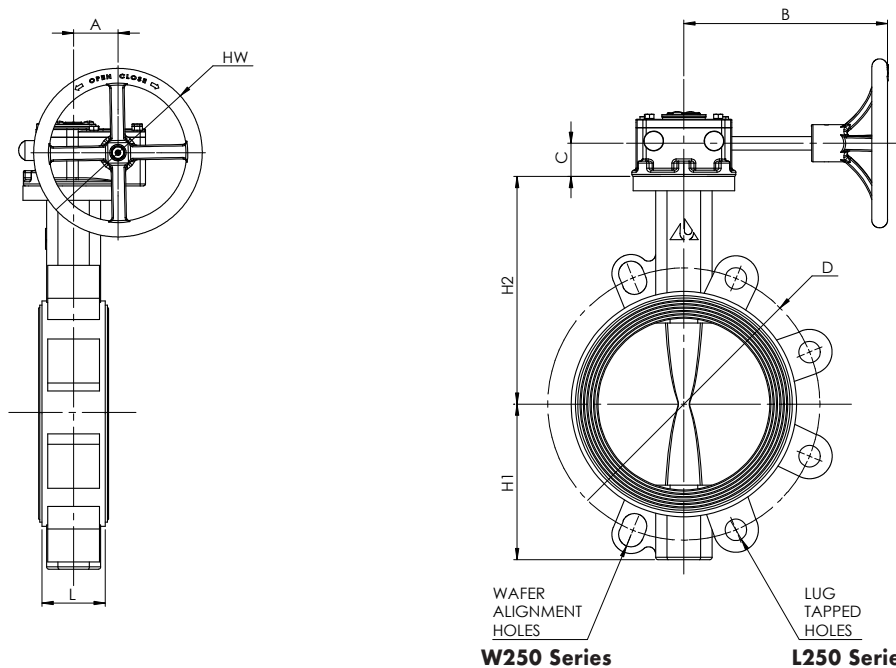


### Dimensions

Size	A		H1		H2		H3		ØD		L		Wafer Holes		Lug Taps
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	SAE Thread
2"	8.9	226	2.60	66	5.12	130	1.18	30	4.74	120.5	1.69	43	4 X 0.75"	4 X 19mm	4 X 5/8"-11 UNC
2.5"	8.9	226	3.23	82	5.55	141	1.18	30	5.49	139.5	1.81	46	4 X 0.75"	4 X 19mm	4 X 5/8"-11 UNC
3"	8.9	226	3.54	90	5.83	148	1.18	30	6.00	152.5	1.81	46	4 X 0.75"	4 X 19mm	4 X 5/8"-11 UNC
4"	10.2	259	4.25	108	6.69	170	1.18	30	7.50	190.5	2.05	52	8 X 0.75"	8 X 19mm	8 X 5/8"-11 UNC
5"	10.2	259	4.84	123	7.36	187	1.18	30	8.50	216.0	2.20	56	8 X 0.87"	8 X 22mm	8 X 3/4"-10 UNC
6"	10.2	259	5.43	138	7.95	202	1.18	30	9.51	241.5	2.20	56	8 X 0.87"	8 X 22mm	8 X 3/4"-10 UNC

Part # Builder & Dimensions w/ Gear Operator on Next Page →

## 8" - 24" Gear Operated Drawings & Dimensions



### Dimensions

Size	A		B		H1		H2		C		ØD		L		Wafer Holes		Lug Taps	HW
in	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	SAE Thread	in
8"	2.4	60	8.4	213	6.69	170	9.37	238	1.42	36	11.75	298.5	2.36	60	8 X 0.87"	8 X 22mm	8 X 3/4"-10 UNC	10
10"	2.4	60	8.4	213	7.87	200	10.71	272	1.42	36	14.25	362.0	2.68	68	12 X 0.98"	12 X 25mm	12 X 7/8"-9 UNC	10
12"	2.6	67	8.3	211	9.29	236	12.01	305	1.42	36	17.01	432.0	3.07	78	12 X 0.98"	12 X 25mm	12 X 7/8"-9 UNC	12
14"	2.6	67	8.3	211	10.31	262	12.99	330	1.42	36	18.74	476.0	3.07	78	12 X 1.14"	12 X 29mm	12 X 1"-8 UNC	12
16"	3.5	89	11.1	282	12.60	320	14.17	360	2.01	51	21.24	539.5	4.02	102	16 X 1.14"	16 X 29mm	16 X 1"-8 UNC	16
18"	3.5	89	11.1	282	13.78	350	15.55	395	2.01	51	22.76	578.0	4.49	114	16 X 1.26"	16 X 32mm	16 X 1-1/8"-7 UNC	16
20"	5.0	126	13.5	343	15.16	385	17.32	440	2.52	64	25.00	635.0	5.00	127	20 X 1.26"	20 X 32mm	20 X 1-1/8"-7 UNC	16
24"	6.1	154	14.4	366	16.54	420	19.69	500	2.76	70	29.51	749.5	5.94	151	20 X 1.38"	20 X 35mm	20 X 1-1/4"-7 UNC	16

### W250/L250 Series Part # Builder Example Part #

A	-	B	-	C	-	D	-	E	-	F	-	G	-	H	-	I
4	-	L	-	250	-	D	-	6	-	S	-	E	-	LH	-	

A - NOMINAL SIZE	B - FLANGE STYLE	C - SERIES	D - BODY MATERIAL
Lug Size = 2" - 24" Wafer Size = 2" - 24"	W = Wafer L = Lug (Double Dead End Service)	250 = High Pressure Resilient Seated Butterfly Valve	D = Ductile Iron

E - STEM MATERIAL	F - DISC MATERIAL	G - SEAT MATERIAL	H - OPERATOR TYPE	I - ADDITIONAL (IF REQUIRED)
6 = 17-4 PH SS	N = Nylon 11 S = A351 CF8M SS	E = EPDM B = BUNA-N	BS = Bare Stem G = Gear Operator LH = Lever Handle	LO = Lock Out

Cv Values on Next Page →



## W250/L250 Cv Values

Valve Sizing Coefficients (US-GPM/ $\Delta P$ )

SIZE	Disc Position									
ANSI	DN	10°	20°	30°	40°	50°	60°	70°	80°	90°
2	50	0.1	1.9	10	21	40	55	82	114	125
2.5	65	0.2	3.8	19	35	62	93	135	192	243
3	80	0.3	7.6	20	36	82	119	188	372	480
4	100	0.4	13	33	73	133	220	381	667	889
5	125	0.9	28	59	125	220	372	594	876	1054
6	150	2.0	40	91	193	353	580	1050	1909	2404
8	200	3.0	62	181	381	690	115	1806	3377	4571
10	250	3.7	143	305	660	1170	1962	3553	5874	7123
12	300	4.8	222	470	1012	1814	2069	5610	8365	9432
14	350	6.1	355	748	1632	2910	4788	7581	11397	13561
16	400	8.4	483	1029	2240	3969	6603	10404	15709	17457
18	450	11	644	1366	2975	5280	8741	12787	20730	24890
20	500	13	830	1762	3804	6791	11233	17774	26666	29311
24	600	22	903	2647	5845	10297	17378	27434	41166	45373