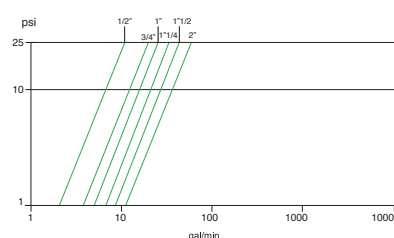
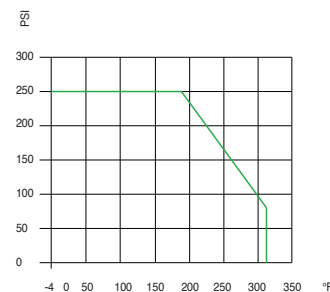
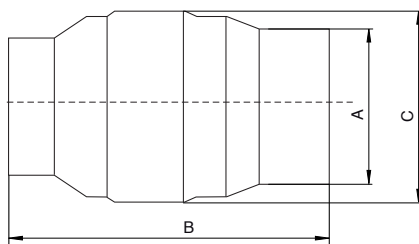
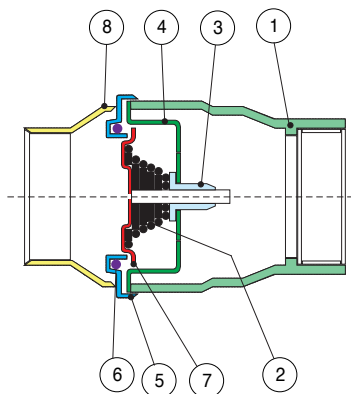




SERIES S250 CHECK VALVE

High capacity, in-line spring loaded, stainless check valve, FNPT threaded.
Pressure rating: size 1/2"-2", 250 WOG.

- FKM (Viton®) seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure at 1/2 psi.
- Flow profile designed to minimize head loss.
- Temperature range: -4°F to +302°F.
- Corrosion resistant.
- AISI 316 cold formed stainless steel.
- ANSI B1.20.1 connections.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	AISI 316	1
2	SPRING	AISI 316	1
3	GUIDE BUSH	P.T.F.E	1
4	DISC GUIDE	AISI 316	1
5	SEAL RING HOUSING	AISI 316	1
6	GASKET	FKM (Viton®)	1
7	FLOW CONTROL DISC	AISI 316	1
8	END CAP	AISI 316	1

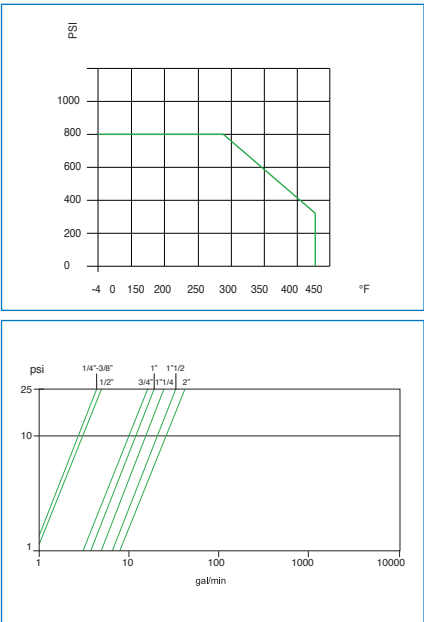
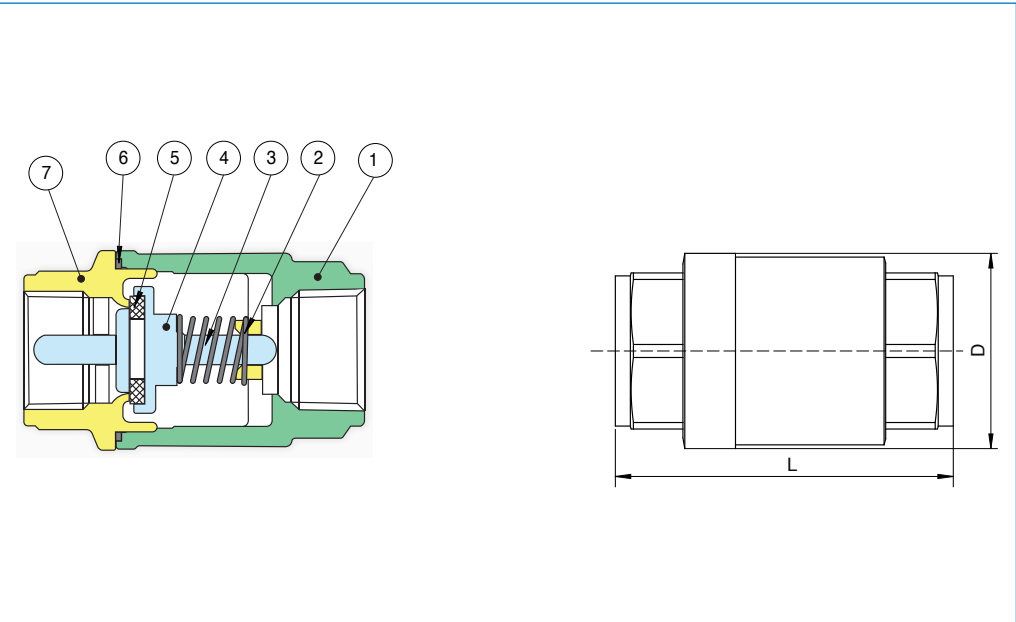
SIZE	A	B	C	Cv	psi	Weight Lbs
1/2"	0.98	2.17	1.26	9.13	250	0.21
3/4"	1.18	2.63	1.73	15.95	250	0.28
1"	1.41	3.27	2.09	21.62	250	0.42
1 1/4"	1.77	3.82	2.44	35.84	250	0.62
1 1/2"	2.00	4.53	3.07	47.40	250	0.86
2"	2.48	4.74	3.50	64.74	250	1.55



SERIES **S800**
CHECK VALVE

- High capacity, in-line spring loaded stainless steel check valve, FNPT threaded.
- Pressure rating: size 1/4"-2" 800 WOG.
 - Soft P.T.F.E seat for bubble tight shutoff, spring loaded for fast seating action.
 - Low cracking pressure 1/2 psi.
 - Flow profile designed to minimize head loss.
 - Perfect sealing both at high and low pressure, wide temperature range: +10°F to 450°F.
 - Corrosion resistant-excellent for use on chemicals.
 - ASTM A351-CF8M investment casting.
 - 125 WSP saturated steam.
 - ANSI B1.20.1 threads.
 - Dual guided stem and disc.

S800FV: STAINLESS STEEL FOOT VALVE DESIGN.

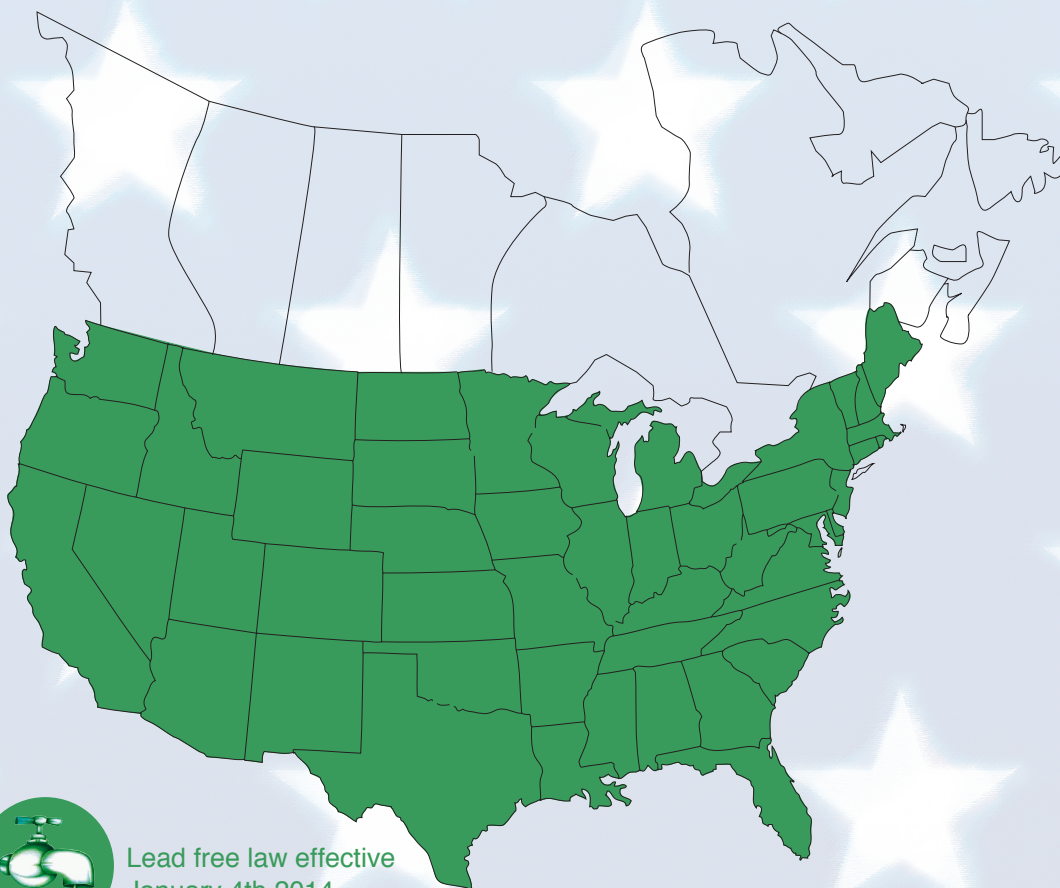


N POS	PART NAME	MATERIAL	N PCS
1	BODY	ASTM A351-CF8M	1
2	SPRING	SS316	1
3	CENTER GUIDE	ASTM A351-CF8M	1
4	DISC	ASTM A351-CF8M	1
5	SEAT	P.T.F.E	1
6	GASKET	P.T.F.E	1
7	END CAP	ASTM A351-CF8M	1

SIZE	D	L	Cv	psi	Weight Lbs
1/4"	1.35	2.31	3.50	800	0.42
3/8"	1.35	2.31	3.50	800	0.42
1/2"	1.35	2.31	5.20	800	0.40
3/4"	1.81	2.87	10.00	800	0.85
1"	2.13	3.50	15.00	800	1.30
1 1/4"	2.46	4.18	24.50	800	2.50
1 1/2"	2.88	4.93	35.20	800	3.40
2"	3.56	6.00	52.00	800	6.00

BONOMI

NORTH AMERICA



Lead free law effective
January 4th 2014

LEAD FREE VALVES AND FORGINGS

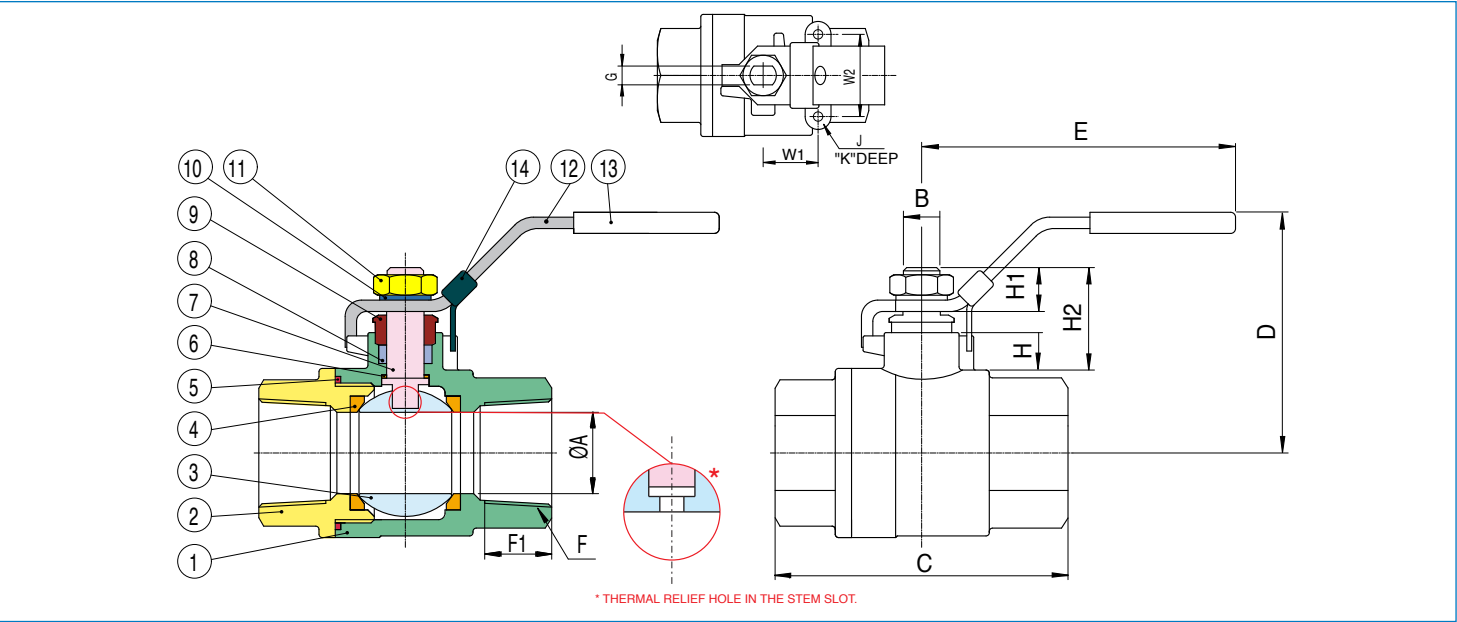
At Bonomi North America we are dedicated to providing the best possible lead free brass material in the industry today. Our lead free brass is basically the same material we have always used, less the lead. No new element has been added, only more of the existing elements. There is no bismuth nor silicon lead replacement filler present in our material, therefore no worry about having to use higher temperature fluxes and special solders. Our valves are soldered just like a leaded valve... no change. We have had many years of experience with our lead free material in different parts of the world, and our acceptance in North America has been very positive. There is no good reason to switch to valves requiring either high temperature solders-fluxes, nor need to worry about potential long term material brittleness, when Bonomi lead free valves are available. Brass forgings vs. bronze sand castings. Another advantage Bonomi valves have over other lead free valves is that Bonomi lead free brass valves are forged and not sand cast. Brass forged valve bodies are far superior to bronze sand cast bodies, offering higher tensile strength, lighter weight, and zero porosity, unlike bronze sand cast parts. At Bonomi North America, we are dedicated to providing only the safest, highest performing valves that eliminate problems for specifiers and installers.



SERIES 700 LL
STAINLESS STEEL BALL VALVE

- 2 piece stainless steel, FNPT threaded ball valve with locking handle.
- Full port sizes 1/4" to 2".
 - Self adjusting stem packing.
 - Blow-out proof stem design.
 - 100% air tested under water at 80 psi.
 - Working pressure is 2000 psi (1/4" to 1"), 1500 psi (1 1/4" to 2")-150 psi steam.
 - Temperature range -4° F to 450° F.
 - Mounting pad for actuator.
 - ANSI B1.20.1 connections.

7700LL: SEAL WELD VERSION AVAILABLE.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M	1
2	END CAP	CF8M	1
3	BALL	SS316	1
4	SEAT	R.T.F.E.	2
5	JOINT GASKET	P.T.F.E.	1
6	THRUST WASHER	P.T.F.E.	1
7	STEM	SS316	1
8	V RING PACKING	P.T.F.E.	1
9	GLAND BUSH	SS304	1
10	STEM WASHER	SS304	1
11	STEM NUT	SS304	1
12	HANDLE	SS304	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1

SIZE	ØA	B	C	D	E	F1	J	K	G	H	H1	H2	W1	W2	Cv	Weight Lbs
1/4"	0.45	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.20	0.31	0.38	0.87	0.50	1.12	8	0.51
3/8"	0.49	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.20	0.31	0.38	0.87	0.50	1.12	10	0.51
1/2"	0.59	0.37	2.55	2.36	5.11	0.62	10-24UNC	0.19	0.26	0.41	0.43	1.00	0.50	1.12	15	0.83
3/4"	0.78	0.37	2.93	2.51	5.11	0.66	10-24UNC	0.27	0.26	0.41	0.43	1.00	0.88	1.37	34	1.14
1"	0.98	0.43	3.46	2.79	6.49	0.94	10-24UNC	0.27	0.31	0.45	0.53	1.24	0.92	1.37	56	2.02
1 1/4"	1.25	0.43	4.01	3.07	6.49	0.86	1/4-20UNC	0.27	0.31	0.45	0.53	1.24	1.00	1.50	85	2.70
1 1/2"	1.49	0.55	4.33	3.38	7.48	0.88	1/4-20UNC	0.27	0.38	0.47	0.61	1.38	1.00	1.50	125	4.18
2"	1.96	0.55	4.92	3.74	7.48	1.02	1/4-20UNC	0.27	0.38	0.37	0.61	1.02	1.00	1.50	250	6.86

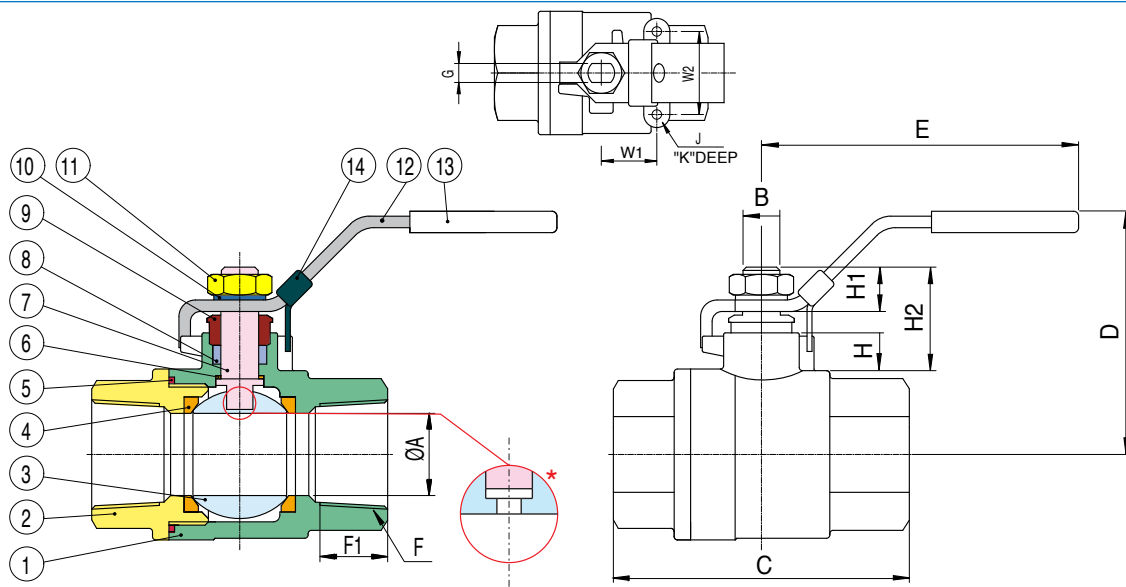


SERIES 600 LL CARBON STEEL BALL VALVE

2 piece carbon steel FNPT threaded ball valve with locking handle.

- Full port sizes 1/4" to 2".
- Self adjusting stem packing.
- Blow-out proof stem design.
- 100% air tested under water at 80 psi.
- Working pressure is 2000 psi (1/4" to 1"), 1500 psi (1 1/4" to 2")-150 psi steam.
- Temperature range -4° F to 450° F.
- Mounting pad for actuator.
- ANSI B1.20.1 connections.

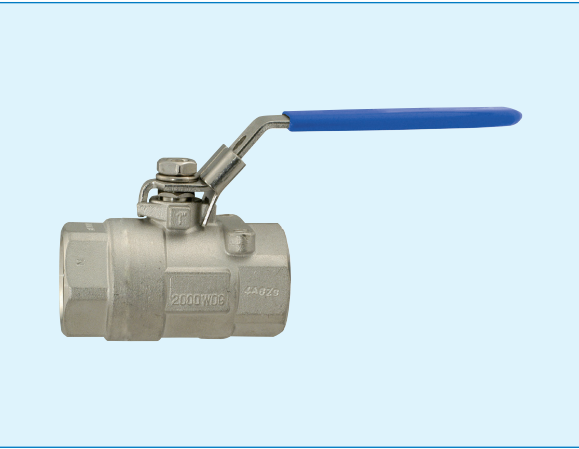
6600LL: SEAL WELD VERSION AVAILABLE.



* THERMAL RELIEF HOLE IN THE STEM SLOT.

N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB	1
2	END CAP	WCB	1
3	BALL	AISI 316	1
4	SEAT	R.T.F.E.	2
5	JOINT GASKET	P.T.F.E.	1
6	THRUST WASHER	P.T.F.E.	1
7	STEM	AISI 316	1
8	V RING PACKING	P.T.F.E.	1
9	GLAND BUSH	STEEL	1
10	STEM WASHER	STEEL	1
11	STEM NUT	STEEL	1
12	HANDLE	STEEL	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1

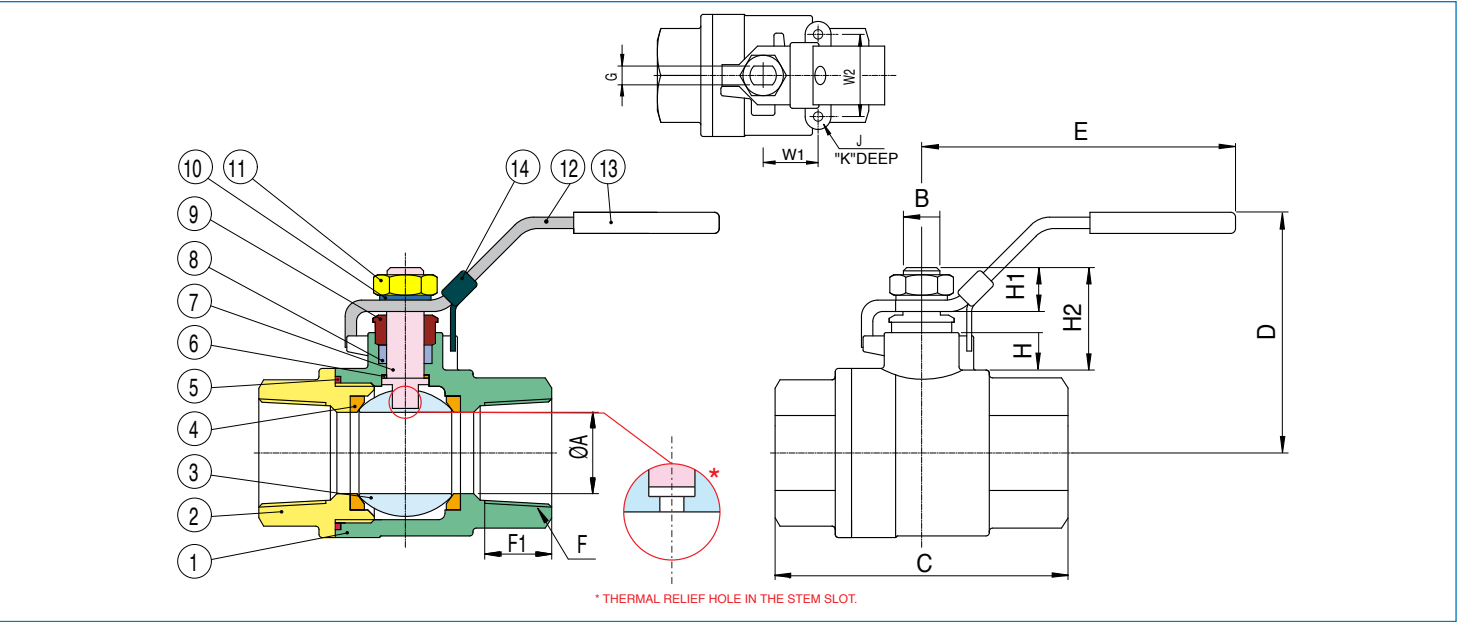
SIZE	ØA	B	C	D	E	F1	J	K	G	H	H1	H2	W1	W2	Cv	Weight Lbs
1/4"	0.45	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.019	0.31	0.38	0.87	0.50	1.12	8	0.51
3/8"	0.49	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.19	0.31	0.38	0.87	0.50	1.12	10	0.51
1/2"	0.59	0.37	2.55	2.36	5.11	0.62	10-24UNC	0.19	0.25	0.41	0.43	1.00	0.50	1.12	15	0.83
3/4"	0.78	0.37	2.93	2.51	5.11	0.66	10-24UNC	0.27	0.25	0.41	0.43	1.00	0.88	1.37	34	1.14
1"	0.98	0.43	3.46	2.79	6.49	0.94	10-24UNC	0.27	0.31	0.45	0.53	1.24	0.92	1.37	56	2.02
1 1/4"	1.25	0.43	4.01	3.07	6.49	0.86	1/4-20UNC	0.27	0.31	0.45	0.53	1.24	1.00	1.50	85	2.70
1 1/2"	1.49	0.55	4.33	3.38	7.48	0.88	1/4-20UNC	0.27	0.38	0.47	0.61	1.38	1.00	1.50	125	4.18
2"	1.96	0.55	4.92	3.74	7.48	1.02	1/4-20UNC	0.27	0.38	0.37	0.61	1.02	1.00	1.50	250	6.86



SERIES 7700 LL
STAINLESS STEEL SEAL WELD BALL VALVE

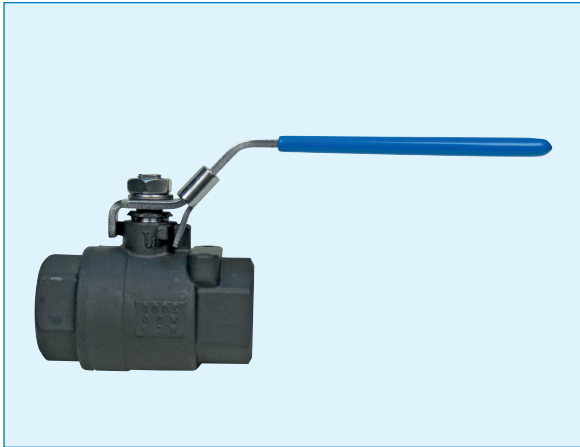
Unibody Stainless Steel FNPT, seal welded threaded ball valve with locking handle.

- Full port sizes 1/4" to 2".
- Self-adjusting stem packing.
- Blow-out proof stem design.
- 100% air tested under water at 80 psi.
- Working pressure is 2000 psi (1/4" to 2") - 200 psi steam.
- Temperature range -4°F to 450°F.
- Mounting pad for actuator.
- 25% carbon filled TFE seats.
- Graphite stem packing.
- API 607 Certified.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M	1
2	END CAP	CF8M	1
3	BALL	SS316	1
4	SEAT	R.T.F.E.	2
5	JOINT GASKET	P.T.F.E.	1
6	THRUST WASHER	P.T.F.E.	1
7	STEM	SS316	1
8	V RING PACKING	P.T.F.E.	1
9	GLAND BUSH	SS304	1
10	STEM WASHER	SS304	1
11	STEM NUT	SS304	1
12	HANDLE	SS304	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1

SIZE	ØA	B	C	D	E	F1	J	K	G	H	H1	H2	W1	W2	Cv	Weight Lbs
1/4"	0.45	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.20	0.31	0.38	0.87	0.50	1.12	8	0.51
3/8"	0.49	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.20	0.31	0.38	0.87	0.50	1.12	10	0.51
1/2"	0.59	0.37	2.55	2.36	5.11	0.62	10-24UNC	0.19	0.26	0.41	0.43	1.00	0.50	1.12	15	0.83
3/4"	0.78	0.37	2.93	2.51	5.11	0.66	10-24UNC	0.27	0.26	0.41	0.43	1.00	0.88	1.37	34	1.14
1"	0.98	0.43	3.46	2.79	6.49	0.94	10-24UNC	0.27	0.31	0.45	0.53	1.24	0.92	1.37	56	2.02
1 1/4"	1.25	0.43	4.01	3.07	6.49	0.86	1/4-20UNC	0.27	0.31	0.45	0.53	1.24	1.00	1.50	85	2.70
1 1/2"	1.49	0.55	4.33	3.38	7.48	0.88	1/4-20UNC	0.27	0.38	0.47	0.61	1.38	1.00	1.50	125	4.18
2"	1.96	0.55	4.92	3.74	7.48	1.02	1/4-20UNC	0.27	0.38	0.37	0.61	1.02	1.00	1.50	250	6.86

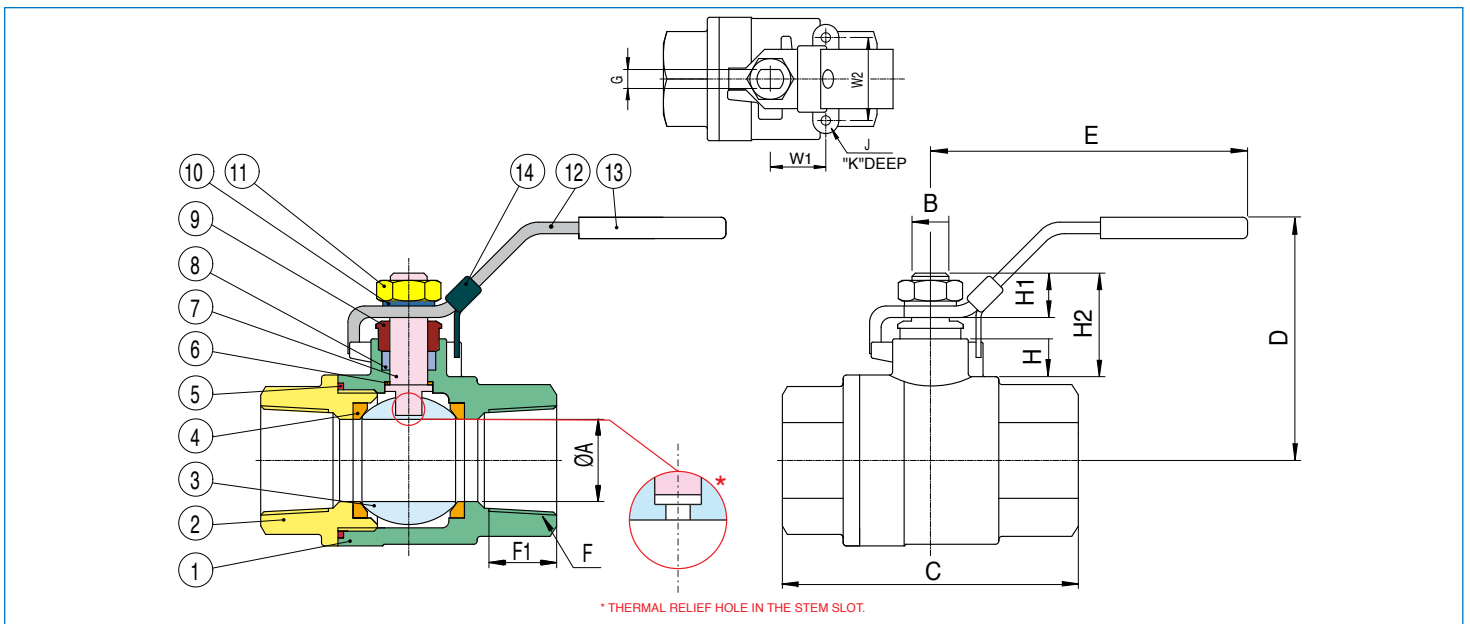


SERIES 6600 LL

CARBON STEEL SEAL WELD BALL VALVE

Unibody Carbon Steel FNPT, seal welded threaded ball valve with locking handle.

- Full port sizes 1/4" to 2".
- Self-adjusting stem packing.
- Blow-out proof stem design.
- 100% air tested under water at 80 psi.
- Working pressure is 2000 psi (1/4" to 2") - 200 psi steam.
- Temperature range -4°F to 450°F.
- Mounting pad for actuator.
- 25% carbon filled TFE seats.
- Graphite stem packing.
- Fire-safe design.



N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB	1
2	END CAP	WCB	1
3	BALL	AISI 316	1
4	SEAT	R.T.F.E.	2
5	JOINT GASKET	P.T.F.E.	1
6	THRUST WASHER	P.T.F.E.	1
7	STEM	AISI 316	1
8	V RING PACKING	P.T.F.E.	1
9	GLAND BUSH	STEEL	1
10	STEM WASHER	STEEL	1
11	STEM NUT	STEEL	1
12	HANDLE	STEEL	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1

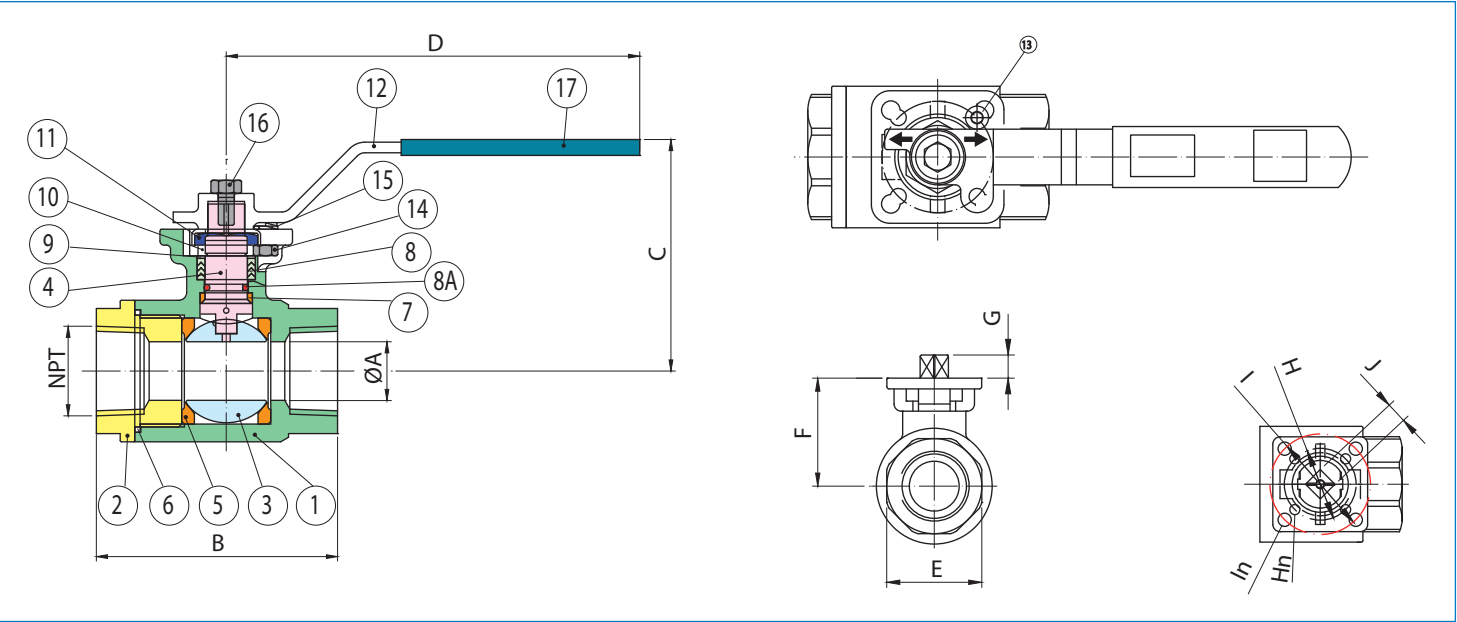
SIZE	ØA	B	C	D	E	F1	J	K	G	H	H1	H2	W1	W2	Cv	Weight Lbs
1/4"	0.45	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.019	0.31	0.38	0.87	0.50	1.12	8	0.51
3/8"	0.49	0.31	2.16	1.96	3.93	0.59	10-24UNC	0.23	0.19	0.31	0.38	0.87	0.50	1.12	10	0.51
1/2"	0.59	0.37	2.55	2.36	5.11	0.62	10-24UNC	0.19	0.25	0.41	0.43	1.00	0.50	1.12	15	0.83
3/4"	0.78	0.37	2.93	2.51	5.11	0.66	10-24UNC	0.27	0.25	0.41	0.43	1.00	0.88	1.37	34	1.14
1"	0.98	0.43	3.46	2.79	6.49	0.94	10-24UNC	0.27	0.31	0.45	0.53	1.24	0.92	1.37	56	2.02
1 1/4"	1.25	0.43	4.01	3.07	6.49	0.86	1/4-20UNC	0.27	0.31	0.45	0.53	1.24	1.00	1.50	85	2.70
1 1/2"	1.49	0.55	4.33	3.38	7.48	0.88	1/4-20UNC	0.27	0.38	0.47	0.61	1.38	1.00	1.50	125	4.18
2"	1.96	0.55	4.92	3.74	7.48	1.02	1/4-20UNC	0.27	0.38	0.37	0.61	1.02	1.00	1.50	250	6.86



SERIES 3000 - 3100

CARBON STEEL STAINLESS STEEL

- 2 piece, FNPT threaded, direct mount ball valve.
- Full port sizes 1/4" to 1 1/2", 2" reduced port.
 - Pressure rating 3000 psi (100°F)
 - Temperature range -20°F to 185°F.
 - Blow out proof stem/anti-static design.
 - ISO 5211 mounting pad.
 - Nace MR-0175.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M/WCB	1
2	END CAP	CF8M/WCB	1
3	BALL	CF8M	1
4	ANTI-STATIC STEM	SS316	1
5	BALL SEAT	DELFIN	2
6	BODY SEAL	P.T.F.E	1
7	THRUST WASHER	P.T.F.E	1
8	STEM PACKING	P.T.F.E	1
8A	O-RING	VITON	1
9	THRUST WASHER	50%SS - 50% P.T.F.E	1
10	STEM NUT	SS304	1
11	LOCK SADDLE	SS304	1
12	HANDLE	SS304	1
13	STOP BOLT	SS304	1
14	STOP NUT	SS304	1
15	STOP WASHER	SS304	1
16	HANDLE BOLD	SS304	1
17	HANDLE SLEEVE	VINYL	1

SIZE	ØA	B	C	D	E	F	G	ISO 5211	Hn	In	J mm	Cv	Torque in-Lbs	Weight Lbs
1/4"	0.38	2.95	2.31	6.30	1.02	1.61	0.31	F03-F04 1.42"-1.65"	0.22	0.22	9	5.3	101	1.4
3/8"	0.38	2.95	2.31	6.30	1.02	1.61	0.31	F03-F04 1.42"-1.65"	0.22	0.22	9	8	104	1.4
1/2"	0.50	2.95	2.31	6.30	1.28	1.61	0.31	F03-F04 1.42"-1.65"	0.22	0.22	9	19	130	1.5
3/4"	0.69	3.19	2.60	6.30	1.51	1.72	0.31	F03-F04 1.42"-1.65"	0.22	0.22	9	35	156	2.0
1"	0.87	3.58	3.02	6.30	1.86	2.11	0.39	F04-F05 1.65"-1.97"	0.28	0.24	11	50	208	3.1
1 1/4"	1.14	4.33	3.19	6.30	2.32	2.32	0.39	F04-F05 1.65"-1.97"	0.28	0.24	11	110	390	4.8
1 1/2"	1.37	4.76	3.84	8.27	2.96	2.96	0.51	F05-F07 1.97"-2.76"	0.36	0.28	14	180	468	8.1
2"	1.37	5.71	4.14	8.27	2.96	2.96	0.51	F05-F07 1.97"-2.76"	0.36	0.28	14	210	468	10.5

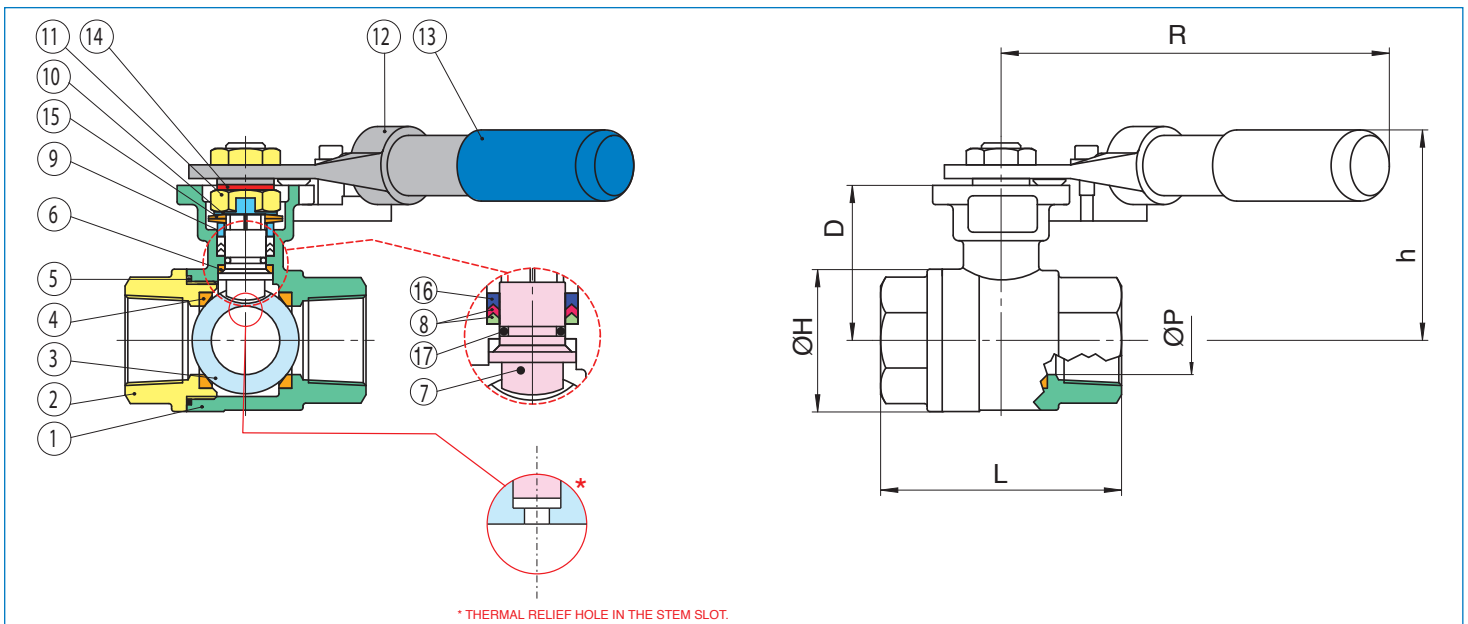
* Varies with size.



SERIES 2200 SRL STAINLESS STEEL BALL VALVE

Deadman spring return lever, stainless steel, FNPT threaded ball valve.

- Full port sizes 1/4" to 2".
- Temperature range -4° F to 450° F.
- Working pressure to 1000 psi 1/4" - 2"
- Blow-out proof stem.
- Adjustable spring return lever.
- Anti-static design.
- ANSI B1.20.1 connections.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M	1
2	END CAP	CF8M	1
3	BALL	SS316	1
4	SEAT	P.T.F.E	2
5	JOINT GASKET	P.T.F.E.	1
6	STEM SEAL	R.T.F.E.	1
7	STEM	SS316	1
8	STEM PACKING	P.T.F.E.	2
9	GLAND	SS304	1
10	LOCK SADDLE	SS304	1
11	STEM NUT	SS304	2
12	HANDLE	SS304	1
13	HANDLE SLEEVE	VINYL	1
14	STEM WASHER	SS304	1
15	BELLEVILLE WASHER	SS301	1
16	STEM PACKING	25% GLASS FIBER FILLED+P.T.F.E	1
17	O-RING	VITON	1

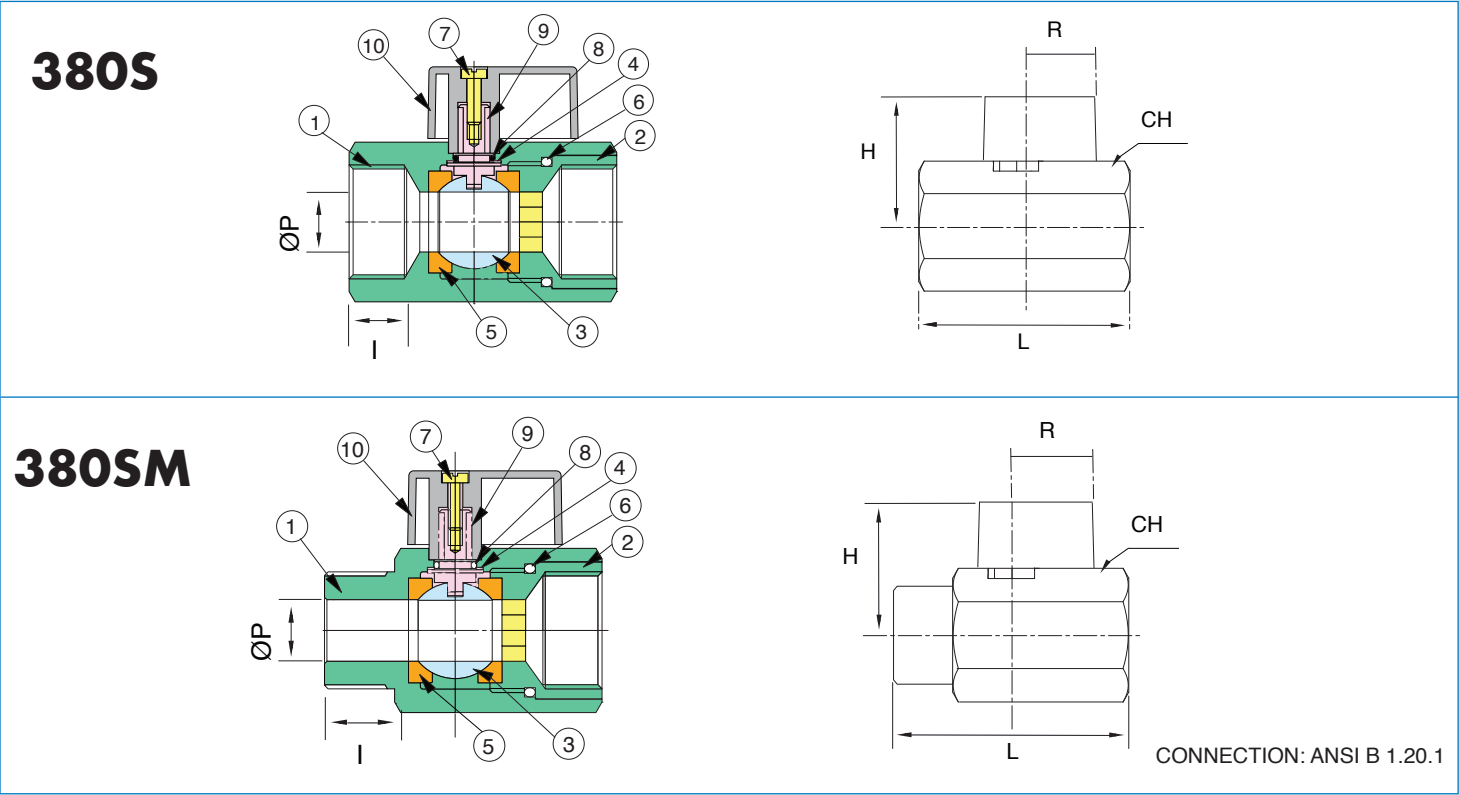
SIZE	ØA	R	D	ØH	h	L	ISO 5211	Cv	psi	Weight Lbs
1/4"	0.45	6.30	1.52	1.46	2.31	2.56	F03/F04	8	1000	1.80
3/8"	0.49	6.30	1.52	1.46	2.31	2.56	F03/F04	10	1000	1.80
1/2"	0.59	6.30	1.52	1.46	2.31	2.56	F03/F04	15	1000	1.70
3/4"	0.79	6.30	1.82	1.69	2.60	2.94	F03/F04	34	1000	2.00
1"	0.98	6.30	2.23	2.05	3.02	3.47	F04/F05	56	1000	2.80
1 1/4"	1.26	6.30	2.40	2.48	3.19	4.02	F04/F05	85	1000	3.80
1 1/2"	1.50	8.27	3.05	2.87	3.84	4.33	F05/F07	125	1000	6.60
2"	1.97	8.27	3.35	3.54	4.14	4.92	F05/F07	250	1000	8.80



SERIES **380S - 380SM**
MINI BALL VALVE

- Stainless steel ball valve mini series, standard port from 1/4" to 1/2".
- Pressure rating 800 psi WOG.
 - Temperature -4° F to +350° F.
 - Stem O-ring viton, seal P.T.F.E
 - P.T.F.E. seats.
 - Stainless steel body, ball and stem.
 - Wedge lever handle.
 - ANSI B1.20.1 connections.

380S: FNPT THREADED.
380SM: MNPT x FNPT THREADED.



N Pos	PART NAME	MATERIAL	N PCS
1	BODY	AISI 316	1
2	RETAINING BUSH	AISI 316	1
3	BALL	AISI 316	1
4	BALL SEAT	P.T.F.E	1
5	BALL SEAT	P.T.F.E	1
6	O-RING	FKM (Viton®)	1
7	SCREW	SS304	1
8	O-RING	FKM (Viton®)	1
9	STEM	AISI316	1
10	HANDLE	ABS	1

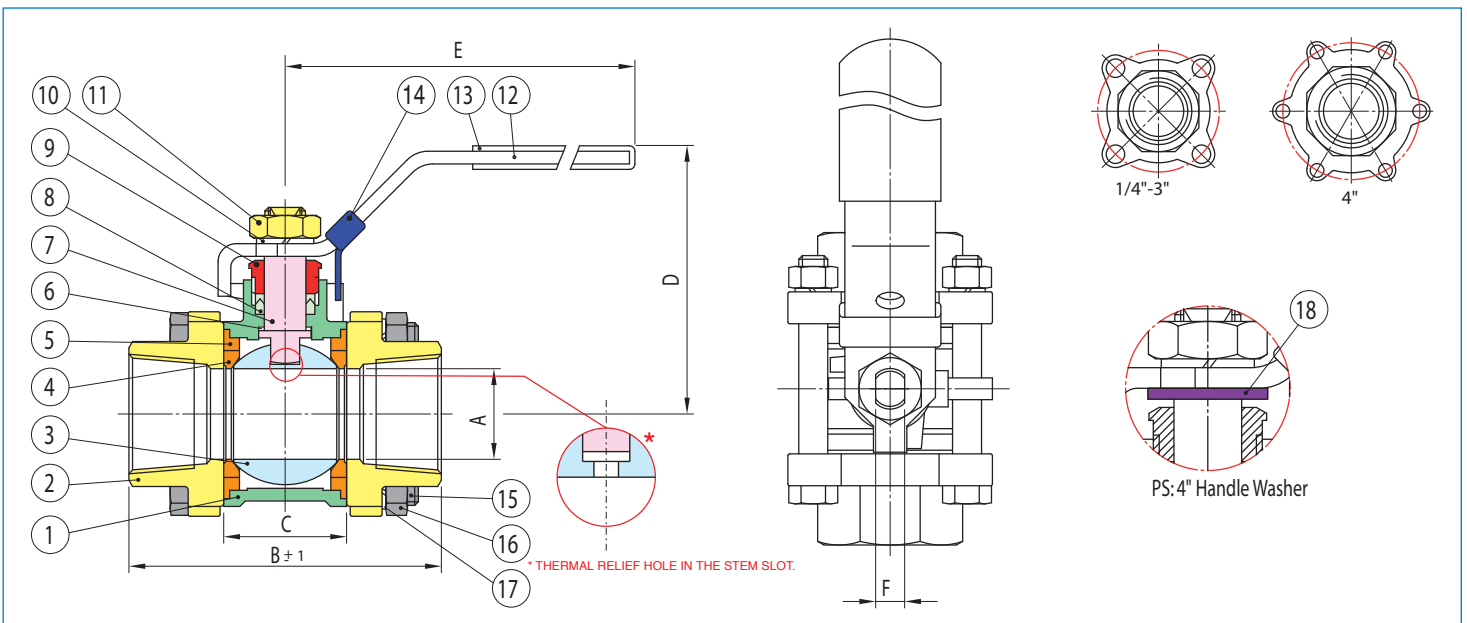
SIZE	ØP	CH	I	h	L	R	Cv	psi	Weight Lbs 380S	Weight Lbs 380SM
1/4"	0.31	0.82	0.39	1.16	1.69	0.80	5.00	450	0.42	0.36
3/8"	0.31	0.82	0.40	1.16	1.69	0.80	3.13	450	0.37	0.35
1/2"	0.39	0.98	0.53	1.24	2.16	0.80	6.26	450	0.37	0.35



SERIES 610LL FNPT - 710LL FNPT
SERIES 611LL SW - 711LL SW
SERIES 612LL BW - 712LL BW
CARBON STEEL STAINLESS STEEL

3 piece ball valve, with latch locking lever.

- Full port sizes 1/4" to 4".
- Pressure rating 1/4" to 2" 1000 psi, 2 1/2" to 4" 800 psi - 150 psi steam.
- Temperature range -60°F + 440°F.
- Blow out proof stem, adjustable multi-layer V-ring stem packaging.
- TFM 1600 seats, P.T.F.E. packing and thrust washer.



N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB/CF8M	1
2	END CAP	WCB/CF8M	2
3	BALL	SS316	1
4	SEAT	TFM1600	2
5	JOIN GASKET	P.T.F.E	2
6	STEM SEAL	P.T.F.E	1
7	STEM	SS316	1
8	STEM PACKING	P.T.F.E	*
9	GLAND NUT	SS304	1
10	STEM WASHER	SS304	1
11	STEM NUT	SS304	1
12	HANDLE	SS304	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1
15	BOLT	SS304	*
16	BOLT NUT	SS304	*
17	BLOT WASHER	SS304	*
18	HANDLE WASHER	SS304	1

SIZE	A	B	C	D	E	F	Cv	Weight Lbs
1/4"	0.46	2.23	0.73	2.13	4.02	0.20	8	0.77
3/8"	0.50	2.23	0.73	2.13	4.02	0.20	10	0.77
1/2"	0.59	2.59	0.93	2.52	5.20	0.26	15	1.23
3/4"	0.79	3.00	1.10	2.64	5.20	0.26	34	1.65
1"	0.98	3.39	1.34	2.95	6.58	0.32	56	2.29
1 1/4"	1.26	4.05	1.67	3.15	6.58	0.32	85	3.84
1 1/2"	1.50	4.70	2.09	3.54	7.56	0.38	125	5.31
2"	1.97	5.17	2.54	3.86	7.56	0.38	250	8.07
2 1/2"	2.56	6.46	3.43	5.39	9.92	0.47	320	15.65
3"	3.15	7.19	3.90	5.79	9.92	0.47	580	23.15
4"	3.94	9.28	5.00	6.89	11.10	0.59	1020	45.78

* Depending on size.

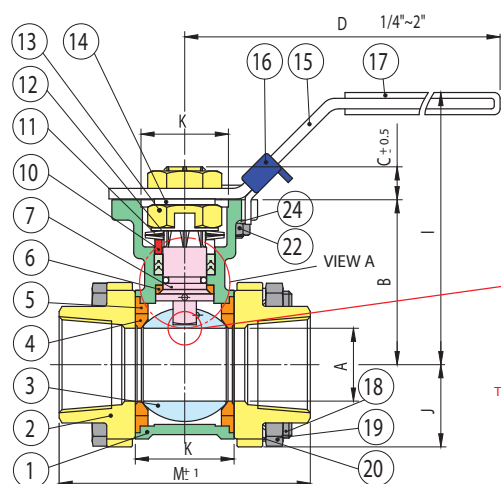


SERIES 620LL FNPT - 720LL FNPT SERIES 621LL SW - 721LL SW SERIES 622LL BW - 722LL BW

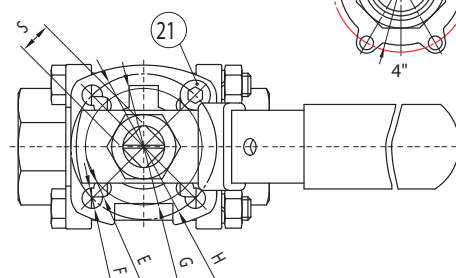
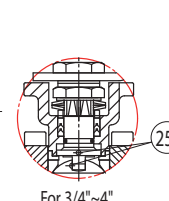
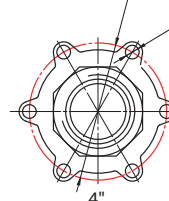
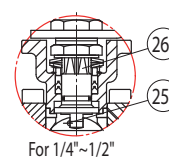
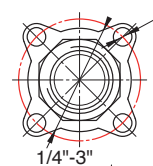
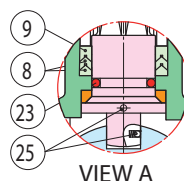
CARBON STEEL STAINLESS STEEL

3-piece direct mount ball valve with latch locking handle.

- Full port sizes 1/4" to 4".
- ISO 5211 mounting pad/square stem.
- Pressure rating 1/4" to 2" 1000 psi, 2 1/2" to 4" 800 psi - 150 psi steam.
- Temperature range -60°F to +440° F.
- Blow out proof stem, multi-layer V-ring adjustable stem packing.
- TFM 1600 seats, P.T.F.E. packing and thrust washer.



THERMAL RELIEF HOLE
IN THE STEM SLOT.



N POS	PART NAME	MATERIAL	N POS
1	BODY	CF8M/WCB	1
2	END CAP	CF8M/WCB	2
3	BALL	SS316	1
4	SEAT	TFM1600	2
5	JOIN GASKET	P.T.F.E	2
6	STEM SEAL	R.T.F.E	1
7	STEM	SS316	1
8	STEM PACKING	P.T.F.E	1
9	STEM PACKING	TFM	*
10	GLAND	SS304	1
11	BELLEVILLE WASHER	SS304	2
12	LOCK SADDLE	SS304	1
13	STEM NUT	SS304	2
14	STEM WASHER	SS304	1
15	HANDLE	SS304	1
16	LOCKING DEVICE	SS304	1
17	HANDLE SLEEVE	VINYL	1
18	BOLT	SS304	*
19	BOLT NUT	SS304	*
20	BOLT WASHER	SS304	*
21	STOP PIN	SS304	1
22	PIN NUT	SS304	1
23	O-RING	VITON	1
24	WASHER	SS304	1
25	ANTI-STATIC DEVICE	SS316	1
26	SPRING	SS316	1

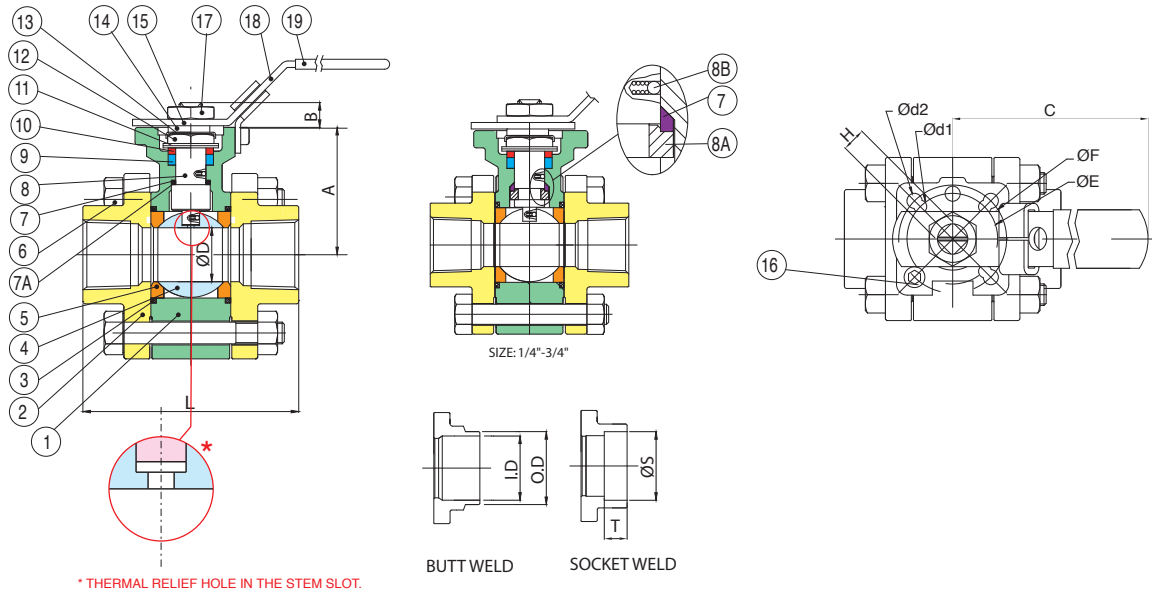
SIZE	ØA	B	C	D	ØE	ØF	ØG	ØH	I	J	K	L	M	ØN	ØO	S in	S mm	Cv	Torque in-Lbs	ISO 5211
1/4"	0.46	1.66	0.25	5.47	0.24	0.24	1.42	1.65	3.03	0.92	0.93	0.98	2.51	1.81	0.34	0.35	9	8	55	F03/F04
3/8"	0.50	1.66	0.25	5.47	0.24	0.24	1.42	1.65	3.03	0.92	0.93	0.98	2.51	1.81	0.34	0.35	9	10	55	F03/F04
1/2"	0.59	1.66	0.25	5.47	0.24	0.24	1.42	1.65	3.03	0.92	0.93	0.98	2.59	1.81	0.34	0.35	9	15	55	F03/F04
3/4"	0.79	1.89	0.27	5.47	0.24	0.24	1.42	1.65	3.27	1.00	1.10	0.98	3.00	2.05	0.34	0.35	9	34	69	F03/F04
1"	0.98	2.23	0.44	6.45	0.24	0.28	1.65	1.97	3.78	1.11	1.34	1.18	3.39	2.36	0.34	0.43	11	56	127	F04/F05
1 1/4"	1.26	2.34	0.44	6.45	0.24	0.28	1.65	1.97	3.94	1.36	1.67	1.18	4.05	2.89	0.43	0.43	11	85	173	F04/F05
1 1/2"	1.50	3.05	0.56	8.47	0.30	0.35	1.97	2.76	5.00	1.55	2.10	1.38	4.70	3.37	0.47	0.55	14	125	243	F05/F07
2"	1.97	3.35	0.56	8.47	0.30	0.35	1.97	2.76	5.28	1.86	2.54	1.38	5.17	4.09	0.52	0.55	14	250	346	F05/F07
2 1/2"	2.56	4.28	0.67	11.81	0.39	0.47	2.76	4.02	6.58	2.30	3.43	2.17	6.46	5.12	0.60	0.67	17	320	518	F07/F010
3"	3.15	4.63	0.67	14.57	0.39	0.47	2.76	4.02	6.93	2.72	3.90	2.17	7.19	6.12	0.68	0.67	17	580	806	F07/F010
4"	3.94	5.22	0.67	14.57	0.39	0.47	2.76	4.02	7.56	3.76	5.00	2.17	9.28	7.40	0.68	0.67	17	1020	1094	F07/F010



SERIES 630LL FNPT - 730LL FNPT SERIES 631LL SW - 731LL SW SERIES 632LL BW - 732LL BW

CARBON STEEL STAINLESS STEEL

- Direct mount high performance 3 piece full port ball valves with locking lever.
- Class 900 sizes 1/4" to 2", class 600 sizes 2 1/2" - 4".
 - Carbon steel-2220 psi, stainless steel-2160 psi (1/4"-2"), 1500 psi (2 1/2"-4").
 - ISO 5211 mounting pad/square stem.
 - TFM-4215 ball seats.
 - Standard latch locking handle.
 - Conforms to ANSI 16.34, ANSI B1.20.1 thread depths, NACE MR0175.
 - Fire Safe to API 607-6th edition.
 - Grounded ball and stem.
 - Standard 316 stainless steel ball and stem in carbon steel models.
 - Temperature range: -50° F to 550° F.



N POS	PART NAME	MATERIAL	N POS
1	BODY	CF8M/WCB	1
2	END CAP	CF8M/WCB	2
3	GASKET (BODY)	TFM	2
4	BALL	SS 316	1
5	BALL SEATS	TFM/DERLIN/PEEK	2
6	BOLTS	SS 304	*
7	THRUST WASHER	TFM	1
7A	THRUST WASHER	PEEK	1
8	STEM	SS 316	1
8A	HALF SPILT RING	SS 316	1
8B	ANTI-STATIC	SS 316	1
9	STEM PACKING	TFM	1
10	GLAND WASHER	SS 304	1
11	DISK WASHER	SS 301	1
12	STEM NUT	SS 304	1
13	NUT STOP	SS 304	1
14	SPACE WASHER	SS 304	1
15	PLATER	SS 304	1
16	STOP IN	SS 304	1
17	HANDLE NUT	SS 304	1
18	HANDLE	SS 304	1
19	HANDLE COVER	PLASTISOL	1

* Depending on the size.

SIZE	A	B	ØD	Ød1	Ød2	ISO 5211		H mm	L	SW		BW(40#)		Torque in-Lbs	Cv	Weight Lbs
						ØE	ØF			S	T	O.D	I.D			
1/4"	1.81	0.37	0.43	0.24	0.24	F03	F04	9	2.61	0.56	0.44	0.55	0.36	71	8.5	1.5
3/8"	1.81	0.37	0.49	0.24	0.24	F03	F04	9	2.61	0.69	0.44	0.67	0.50	71	8.5	1.5
1/2"	1.89	0.37	0.59	0.24	0.24	F03	F04	9	2.76	0.86	0.50	0.84	0.63	107	21	2.2
3/4"	2.08	0.47	0.79	0.24	0.24	F04	F05	11	3.62	1.07	0.56	1.05	0.82	133	50	3.8
1"	2.32	0.47	0.98	0.24	0.27	F04	F05	11	4.13	1.33	0.63	1.31	1.05	160	90	5.6
1 1/4"	2.44	0.57	1.26	0.27	0.36	F05	F07	14	4.37	1.67	0.69	1.66	1.38	222	110	7.0
1 1/2"	2.75	0.57	1.49	0.27	0.36	F05	F07	14	4.88	1.92	0.72	1.91	1.61	416	240	11
2"	3.54	0.75	1.97	0.36	0.45	F07	F10	17	5.91	2.41	0.84	2.38	2.06	736	400	22
2 1/2"	4.13	0.71	2.50	0.36	0.45	F07	F10	17	6.50	2.91	0.87	2.88	2.47	1461	700	32
3"	4.68	0.98	3.07	0.45	0.53	F10	F12	22	7.68	3.54	1.00	3.51	3.07	2213	980	44
4"	5.67	0.98	3.89	0.45	0.53	F10	F12	22	9.65	4.54	1.26	4.51	4.02	3368	1700	87



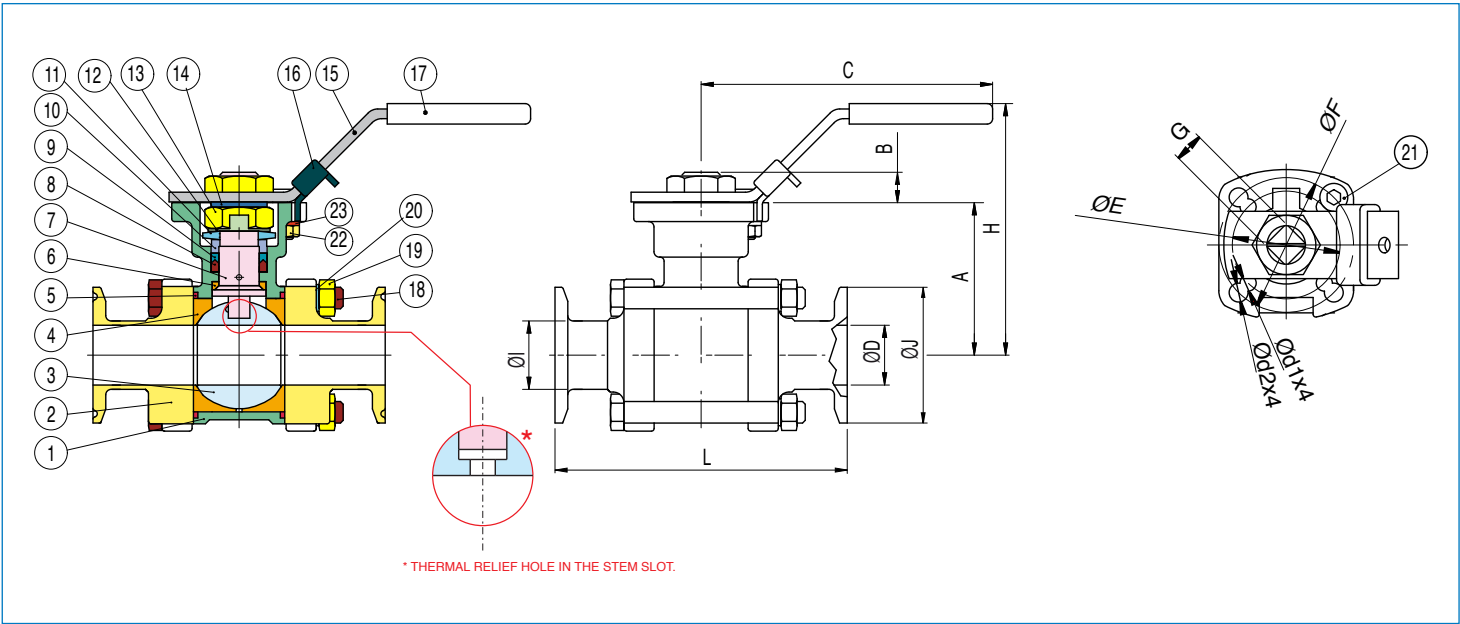
SERIES 770 NON-CAVITY FILLED

SERIES 771 CAVITY FILLED

STAINLESS STEEL SANITARY BALL VALVE

Stainless steel, 3 piece direct mount, sanitary full port ball valves with latch locking lever.

- Blow-out proof stem.
- ISO 5211 direct mount pad/square stem.
- Working pressure 1000 psi WOG (1/2" to 2") 800 psi WOG (2 1/2" to 4").
- Temperature range -20° F to 450° F.
- Antistatic Device.
- International polishing to Ra 15 micron.
- Tri-clamp style end connections.
- Ball valves comply with standards: ISO 5211, ANSI B 16.11, MSS SP-25, MSS SP-55.
- Maintenance free live loaded double sealing stem.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF3M	1
2	END CONNECTION	CF3M	2
3	BALL	SS316L	1
4	SEATS	P.T.F.E	2
5	JOINT GASKET	P.T.F.E	2
6	STEM SEAL	R.T.F.E	1
7	STEM	SS316L	1
8	GLAND PACKING	P.T.F.E	2
9	GLAND PACKING	P.T.F.E+GLASS	1
10	GLAND BUSH	SS304	1
11	BELLEVILLE WASHER	SS301	2
12	STOP WASHER	SS304	1
13	STEM NUT	SS304	2
14	STEM WASHER	SS304	1
15	HANDLE	SS304	1
16	LOCKING DEVICE	SS304	1
17	HANDLE SLEEVE	VINYL	1
18	BOLT	SS304	4
19	BOLT NUT	SS304	4
20	BOLT WASHER	SS304	4
21	STOP PIN	SS304	1
22	PIN NUT	SS304	1
23	WASHER	SS304	1

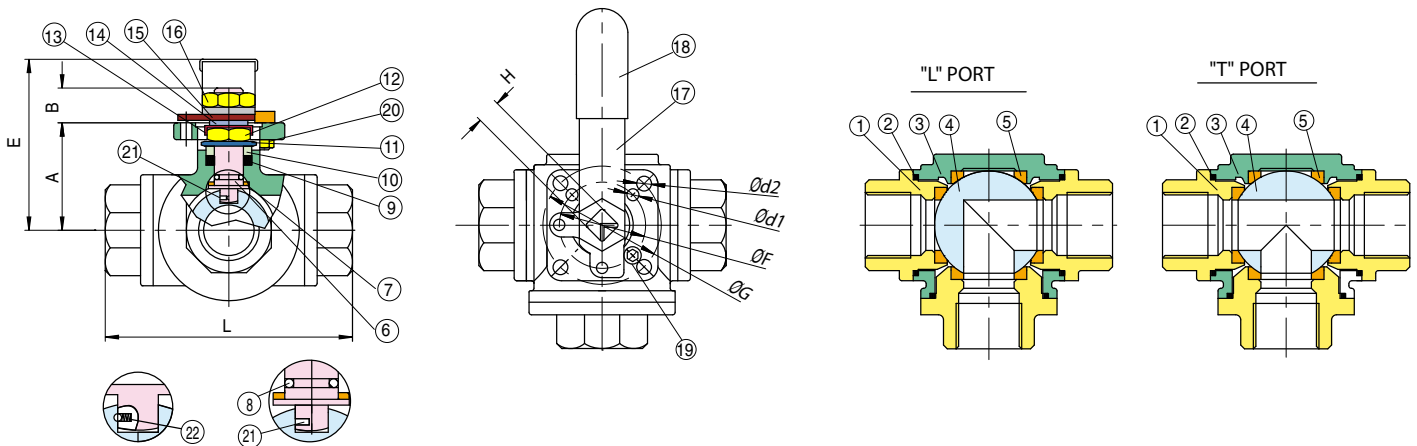
SIZE	ØD	ØI	ØJ	A	B	C	ØE	ØF	G mm	L	H	Ød1	Ød2	psi	ISO 5211	Weight Lbs
1/2"	0.37	0.50	0.99	1.65	0.25	5.47	1.41	1.65	9	3.50	3.03	0.23	0.23	1000	F03/F04	1.67
3/4"	0.62	0.74	0.99	1.88	0.27	5.47	1.41	1.65	9	4.00	3.26	0.23	0.23	1000	F03/F04	1.91
1"	0.87	1.00	1.98	2.22	0.44	6.49	1.65	1.96	11	4.50	3.77	0.23	0.27	1000	F04/F05	3.17
1 1/2"	1.37	1.5	1.98	3.05	0.55	8.46	1.96	2.75	14	5.51	5.00	0.29	0.35	1000	F05/F07	7.24
2"	1.87	2.00	2.51	3.35	0.55	8.46	1.96	2.75	14	6.25	5.27	0.29	0.35	1000	F05/F07	10.10
2 1/2"	2.37	2.50	3.04	4.27	0.67	11.81	2.75	4.01	17	6.85	6.57	0.39	0.47	800	F05/F07	21.80
3"	2.87	3.00	3.57	4.63	0.71	14.56	2.75	4.01	17	7.60	6.92	0.39	0.47	800	F05/F07	29.00
4"	3.83	4.00	4.68	5.21	0.67	14.56	2.75	4.01	17	8.89	7.55	0.39	0.47	800	F05/F07	46.50



SERIES 955N (T) - 965N (L) • STANDARD PORT SERIES 956N (T) - 966N (L) • FULL PORT STAINLESS STEEL DIRECT MOUNT 3 WAY BALL VALVE

Direct mount stainless steel three way ball valve FNPT threaded, full and reduced port full port sizes 1/4" to 2" - standard port sizes 1/2" to 3".

- Self adjusting stem packing.
- Blow-out proof stem design.
- 100% air tested under water at 80 psi.
- Working pressure is 1000 psi (1/4" to 1"), 800 psi (1 1/4" - 3").
- Temperature range -4° F to 450° F.
- ISO 5211 mounting pad/square stem.
- Locking handle.



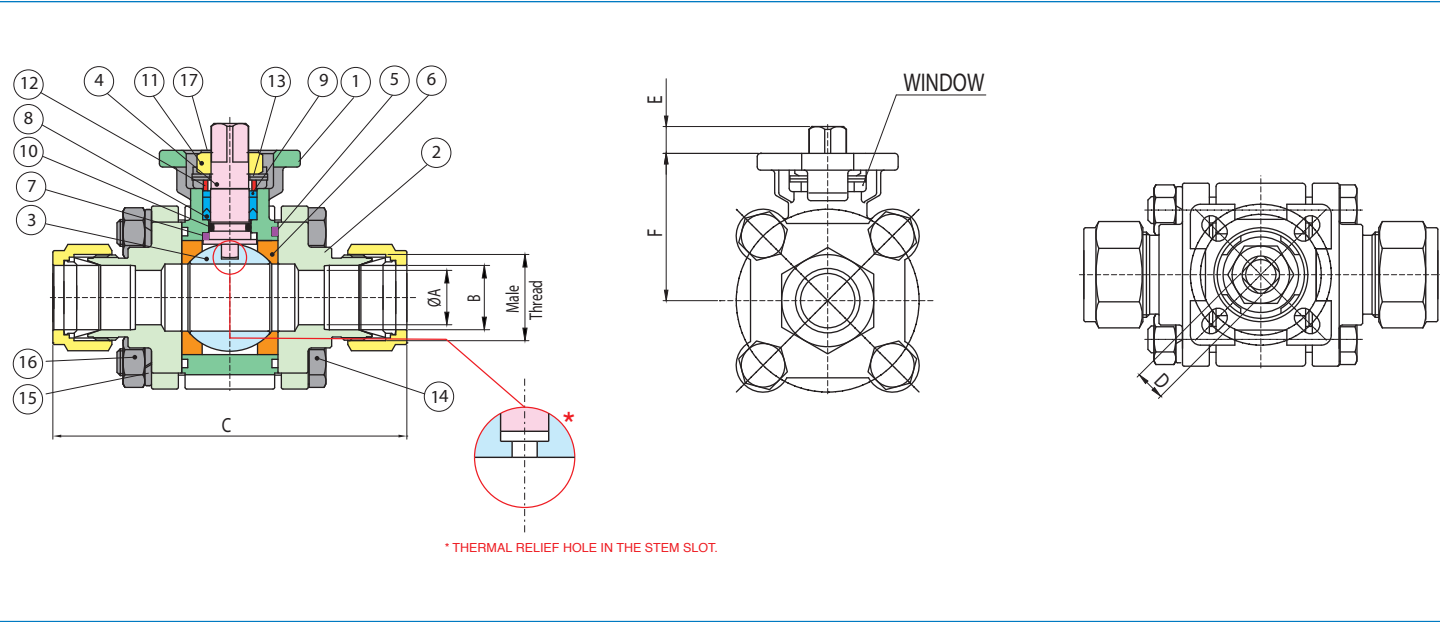
N.P.O.S	PART NAME	MATERIAL	N.P.O.S
1	END CAP	A351 CF8M	3
2	GASKET	P.T.F.E.	3
3	BODY	A351 CF8M	1
4	BALL	SS316	1
5	SEATS	R.T.F.E.	4
6	STEM	SS316	1
7	STEM SEAL	R.P.T.F.E.	1
8	O-RING	FKM (Viton®)	1
9	STEM PACKING	P.T.F.E.	1
10	GLAND	SS304	1
11	DISK WASHER	SS301	2
12	STEM NUT	SS304	1
13	NUT STOP	SS304	1
14	SPACE WASHER	SS304	1
15	PLATE STOP	SS304	1
16	HANDLE NUT	SS304	1
17	HANDLE	SS304	1
18	HANDLE SLEEVE	VINYL	1
19	STOPPER	SS304	1
20	PIN NUT	SS304	1
21	INSERT PIN	SS316	1
22	ANTISTATIC DEVICE	SS316	1

SIZE		A	B	Ød1	Ød2	E	ØF	ØG	H mm	L	Port	psi	ISO5211	Weight Lbs 956-966	Weight Lbs 955-965	Torque in-Lbs
FULL PORT	STANDARD PORT															
1/4"	-	1.45	0.40	0.23	0.23	2.44	1.41	1.65	9	2.83	0.43	1000	F03/F04	1.45	-	105
3/8"	1/2"	1.45	0.40	0.23	0.23	2.44	1.41	1.65	9	2.83	0.47	1000	F03/F04	1.45	1.45	105
1/2"	3/4"	1.65	0.45	0.23	0.23	2.51	1.41	1.65	9	3.26	0.59	1000	F03/F04	1.90	1.90	138
3/4"	1"	1.65	0.59	0.23	0.27	3.22	1.65	1.96	11	3.89	0.78	1000	F04/F05	3.25	3.35	184
1"	1 1/4"	2.18	0.55	0.23	0.27	3.50	1.65	1.96	11	4.40	0.98	1000	F04/F05	4.90	4.80	323
1 1/4"	1 1/2"	2.48	0.64	0.27	0.36	3.85	1.96	2.75	14	4.92	1.25	800	F05/F07	7.10	7.45	461
1 1/2"	2"	2.88	0.62	0.27	0.36	4.25	1.96	2.75	14	5.86	1.49	800	F05/F07	11.80	11.60	633
2"	2 1/2"	3.63	0.96	-	0.36	5.19	-	2.75	14	6.64	1.97	800	F07	21.40	23.25	1037
-	3"	4.63	1.14	-	0.44	5.19	-	4.01	17	7.68	2.56	800	F10	-	23.23	1381



SERIES 1300
STAINLESS STEEL INSTRUMENTATION BALL

- 3 piece stainless steel standard port instrumentation ball, with locking lever valve.
- Standard port sizes 1/4" to 3/4".
 - Working pressure to 2000 psi.
 - Temperature range -4° F to 450° F.
 - ISO 5211 mounting pad.
 - Extremely high cycle life.
 - Compression ends with heat treated ferrules.
 - Latch locking handle.



N POS	PART NAME	MATERIAL	N POS
1	BODY	CF8M	1
2	END CAP	CF8M	2
3	BALL	SS316	1
4	STEM	SS316	1
5	PACKING	P.T.F.E	2
6	SEAT	TFM1600	2
7	STEM SEAL	P.T.F.E	1
8	V-RING PACKING	P.T.F.E	1 SET
9	BUSHING	50%SS-50%P.T.F.E	1
10	O-RING	FKM (Viton®)	1
11	STEM NUT	SS304	1
12	GLAND	SS304	1
13	BELLEVILLE WASHER	SS304	2
14	BOLT	SS304	4
15	WASHER	SS304	4
16	BOLT NUT	SS304	4
17	LOCK SADDLE	SS304	1

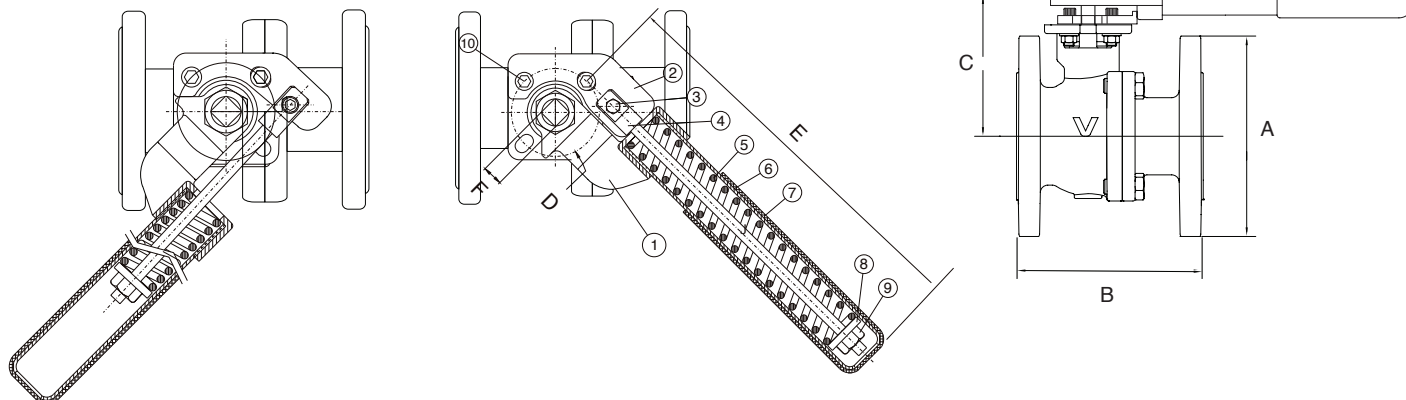
SIZE	ØA	B	C	D mm	E	F	ISO 5211	Cv	Torque in-Lbs	Weight Lbs
1/4"	0.18	0.26	3.74	9	0.35	1.60	F03/F04	5.3	46	0.8
3/8"	0.25	0.38	3.79	9	0.35	1.60	F03/F04	8	46	0.9
1/2"	0.37	0.51	4.02	9	0.35	1.60	F03/F04	19	46	0.9
3/4"	0.63	0.75	4.02	9	0.35	1.60	F03/F04	35	58	1.2



SERIES 766000 SRL DEADMAN SPRING RETURN

Deadman spring lever, Split body style, ANSI 150 class flanged raised face stainless steel ball valve.

- Full Port Sizes 1" to 3".
- ISO 5211 mounting pad and stem.
- Blowout proof stem.
- Standard grounded ball & stem.
- Certified to API 607, 6th edition, and API 6FA.
- Designed to ANSI 16.5, 16.10, 16.34
- TUV T.A. luft approved.
- NACE MR 0175.



N POS	HANDLE COMPONENTS	MATERIAL
1	HANDLE HEAD	ASTM A351 - CF8M
2	ANCHOR	ASTM A351 - CF8M
3	ANCHOR SCREW	STAINLESS STEEL 316
4	SPRING ROD	STAINLESS STEEL 316
5	SPRING	STAINLESS STEEL 301
6	HANDLE EXTENSION	STAINLESS STEEL 304
7	SLEEVE	VINYL
8	WASHER	STAINLESS STEEL 304
9	HEX NUT	STAINLESS STEEL 304
10	SOCKET HEAD SCREW	STAINLESS STEEL 304

SIZE	A	B	C	D ISO 5211	E	F (mm)	HANDLE TORQUE (in-Lbs)
1"	4.33	5.00	2.72	F03	8.75	9	132
1 1/2"	5.12	6.50	3.70	F05	11.50	11	195
2"	5.91	7.01	4.06	F05	11.50	11	195
3"	7.48	7.99	5.41	F07	17.72	14	487

Valve materials and size: see Table page 82; Series 766000

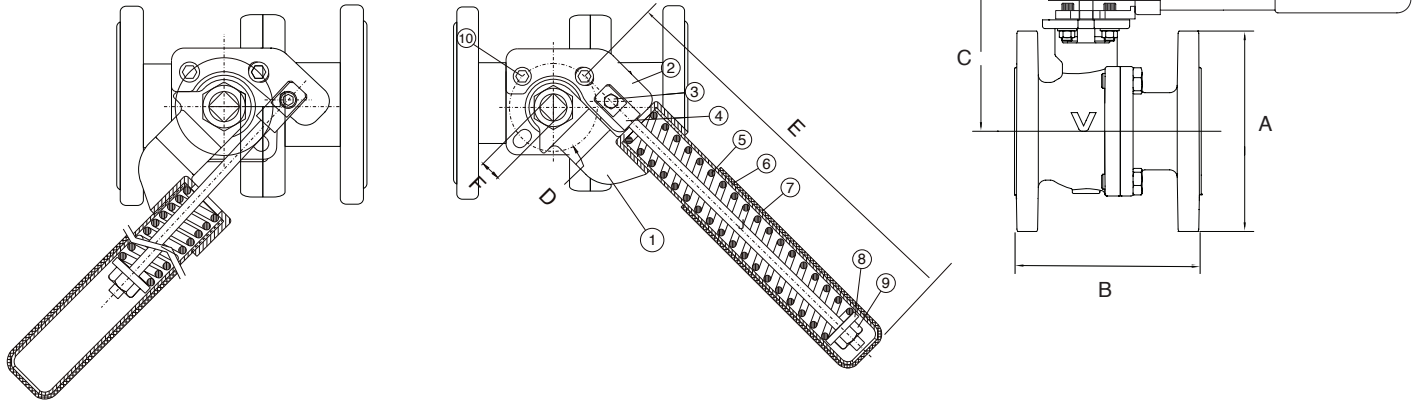


SERIES 766001SRL DEADMAN SPRING RETURN

Carbon steel, ANSI class 150 flanged ball valve with locking handle.

- Direct mount ISO 5211/square stem
- Full port, sizes 1" to 3".
- Temperature range -4° F to 366° F.
- Blow out proof stem, adjustable stem packing.
- P.T.F.E. seats, and FKM Viton O-rings.
- Fire Safe certified to API 607 6th edition.
- 100% tested.
- ANSI B16.5, B16.10, B16.34 design.
- Antistatic Device.
- Standard locking handle.

COMPLIES WITH NACE MR 0175/ISO 15156 AND NACE MR 010.3



N POS	HANDLE COMPONENTS	MATERIAL
1	HANDLE HEAD	ASTM A351 - CF8M
2	ANCHOR	ASTM A351 - CF8M
3	ANCHOR SCREW	STAINLESS STEEL 316
4	SPRING ROD	STAINLESS STEEL 316
5	SPRING	STAINLESS STEEL 301
6	HANDLE EXTENSION	STAINLESS STEEL 304
7	SLEEVE	VINYL
8	WASHER	STAINLESS STEEL 304
9	HEX NUT	STAINLESS STEEL 304
10	SOCKET HEAD SCREW	STAINLESS STEEL 304

SIZE	A	B	C	D ISO 5211	E	F (mm)	HANDLE TORQUE (in-Lbs)
1"	4.33	5.00	2.72	F03	8.75	9	132
1 1/2"	5.12	6.50	3.70	F05	11.50	11	195
2"	5.91	7.01	4.06	F05	11.50	11	195
3"	7.48	7.99	5.41	F07	17.72	14	487

Valve materials and size: see Table page 84; Series 766001

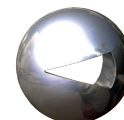
SERIES V300 - V600 - V900 STAINLESS STEEL V-BALL VALVE



Stainless steel, 1000 psi-250 psi stem, FNPT threaded, locking handle, V-ball valve 30, 60, 90 degrees V ports.

- Sizes 1/2" thru 4".
- 25% carbon filled P.T.F.E ball seats.
- Temperature Range -18°F to 428°F.
- Pressure rating: 1000 PSI (1/2" to 2"), 800 PSI (2-1/2" to 4").
- ISO 5211/DIN 3337 direct mounting.
- Blow-Out proof stem, Anti-Static design.
- Thermal relief hole in the ball.

V-ball options



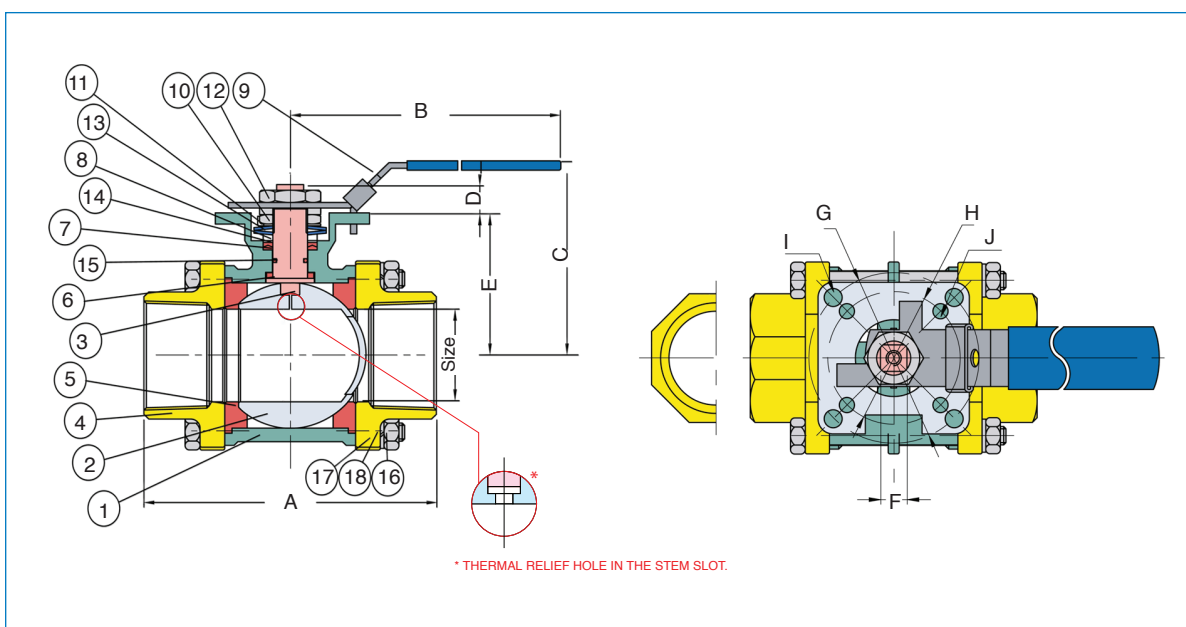
V30



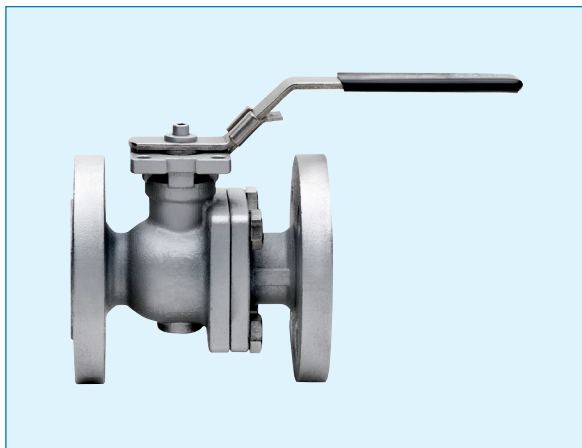
V60



V90



POS	PART NAME	MATERIAL	N POS	SIZE	A	B	C	D	E	F	G	H	I	J	Weight Lbs	Torque in/Lbs	ISO 5211	Drive mm
1	BODY	ASTM A351 Gr. CF8M	1	1/2"	2.50	4.41	2.87	0.33	1.46	0.35	1.97	1.42	0.28	0.24	1.3	62.0	F03/F05	9
2	BALL	ASTM A351 Gr. CF8M	1	3/4"	2.85	4.41	3.18	0.33	1.77	0.35	1.97	1.42	0.28	0.24	1.6	70.8	F03/F05	9
3	STEM	S.S. 316	1	1"	3.19	5.35	3.56	0.45	2.11	0.35	1.97	1.65	0.28	0.24	2.3	123.9	F03/F05	9
4	END CAP	ASTM A351 Gr. CF8M	2	1 1/4"	3.72	7.28	3.89	0.45	2.32	0.35	1.97	1.65	0.28	0.24	3.4	194.7	F03/F05	9
5	SEAT	25% carbon filled P.T.F.E	2	1 1/2"	4.25	7.79	4.54	0.55	2.94	0.55	2.76	1.9	0.35	0.28	5.5	274.4	F05/F07	14
6	THRUST WASHER	15% GF P.T.F.E	1	2"	4.78	7.79	4.88	0.54	3.29	0.55	2.76	1.97	0.35	0.28	7.6	283.2	F05/F07	14
7	STEM PACKING	S.S. 304	1	2 1/2"	6.20	10.4	6.10	0.1	4.28	0.67	4.02	2.76	0.43	0.35	14.1	681.5	F07/F10	17
8	GLAND BUSHING	S.S. 304	1	3"	7.48	10.4	8.21	0.71	4.66	0.67	4.02	2.76	0.43	0.35	24.6	743.5	F07/F10	17
9	HANDLE	S.S. 304	1	4"	8.86	12.8	8.53	0.91	6.06	0.67	4.02	2.76	0.43	0.35	48.4	1354.2	F07/F10	17
10	STEM NUT	S.S. 304	1															
11	HANDLE WASHER	S.S. 304	1															
12	HANDLE NUT	S.S. 304	1															
13	BELLEVILLE WASHER	S.S. 304-CSP	2															
14	PACKING FOLLOWER	P.T.F.E +25% GF	1															
15	STEM O-RING	VITON	1															
16	BODY BOLT	S.S. 304	*															
17	BOLT WASHER	S.S. 304	*															
18	BOLT NUT	S.S. 304	*															

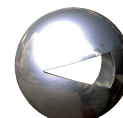


SERIES VF300 - VF600 - VF900 STAINLESS STEEL V-BALL VALVE

Stainless steel, ANSI class 150 flanged V-ball valve, 30,60, 90 degrees V ports.

- Sizes 1/2" to 6".
- ISO 5211 mounting pad.
- Locking handle standard.
- ANSI 16.5, 16.10, and 16.34.
- Antistatic design.
- Blowout proof stem and carbon filled P.T.F.E. ball seats.
- Thermal relief hole in the ball.
- Temperature Range -18°F to 392°F.
- Direct mount ISO 5211.
- Latch locking handle.

V-ball options



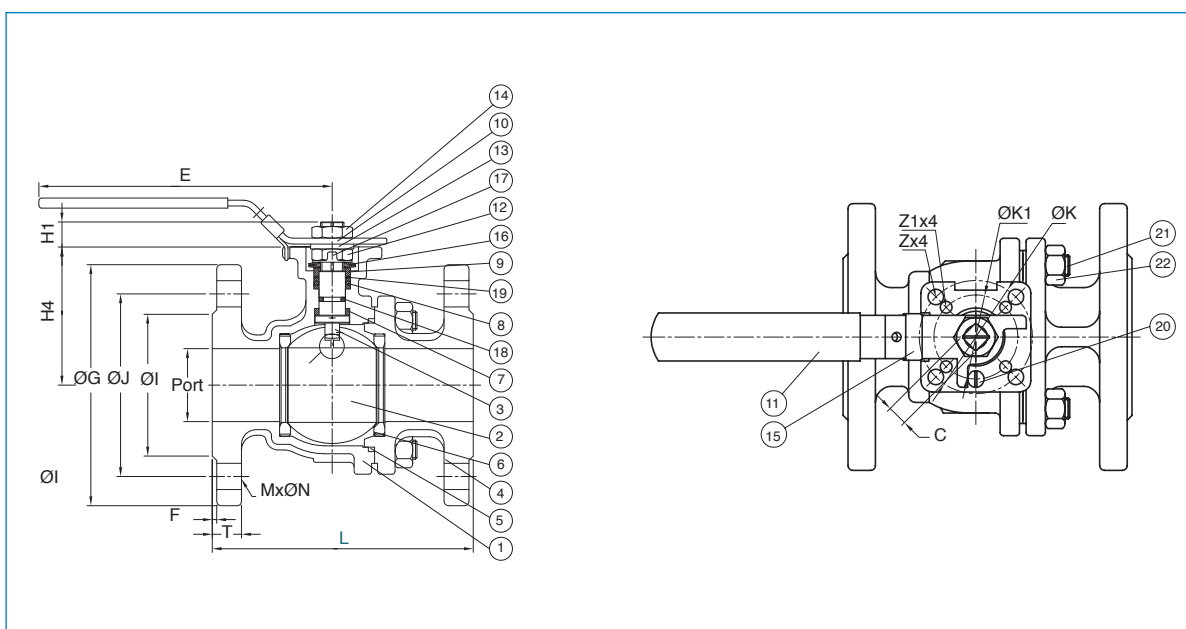
V30



V60



V90



N POS	PART NAME	MATERIAL	N POS	SIZE	Port	L	E	H1	H4	C mm	ØG	ØJ	ØI	T	F	M	ØN	ISO 5211	Z	Z1	Break Torque in-Lbs	Weight Lbs	
1	BODY	ASTM A351 Gr. CF8M	1	1/2"	0.59	4.25	4.41	0.33	1.89	9	3.50	2.38	1.38	0.44	0.06	4	0.63	F05	F03	7.0	6.0	62	3.9
2	BALL	ASTM A351 Gr. CF8M	1		3/4"	0.79	4.61	4.41	0.33	2.44	9	3.88	2.76	1.69	0.50	0.06	4	0.63	F05	F03	7.0	6.0	106
3	STEM	S.S. 316	1	1"		0.98	5.00	5.35	0.37	2.52	9	4.25	3.12	2.01	0.56	0.06	4	0.63	F05	F03	7.0	6.0	177
4	END CAP	ASTM A351 Gr. CF8M	2		1 1/4"	1.26	5.51	7.28	0.37	2.80	9	4.63	3.50	2.50	0.63	0.06	4	0.63	F05	F03	7.0	6.0	224
5	BODY SEAL	P.T.F.E	1	1 1/2"		1.50	6.50	7.80	0.55	2.99	14	5.00	3.88	2.88	0.69	0.06	4	0.63	F07	F05	9.0	7.0	371
6	SEAT	Carbon graphite filled P.T.F.E	2		2"	1.97	7.01	7.80	0.54	3.33	14	6.00	4.75	3.62	0.75	0.06	4	0.75	F07	F05	9.0	7.0	486
7	THRUST WASHER	P.T.F.E	1	2 1/2"		2.52	7.48	10.34	0.71	4.20	17	7.00	5.50	4.12	0.92	0.06	4	0.75	F10	F07	11.0	9.0	840
8	STEM PACKING	P.T.F.E	1		3"	2.99	7.99	10.34	0.71	4.57	17	7.50	6.00	5.00	0.94	0.06	4	0.75	F10	F07	11.0	9.0	1250
9	GLAND	S.S. 304	1	4"		3.94	9.02	12.80	0.71	6.08	17	9.00	7.50	6.19	0.94	0.06	4	0.75	F10	F07	11.0	9.0	1860
10	HANDLE	S.S. 304	1		6"	5.91	15.51	29.53	1.18	8.39	27	11.00	9.50	8.50	1.00	0.06	8	0.88	F12	n/a	0.55	n/a	2310
11	HANDLE COVER	PLASTIC	1																				
12	STEM NUT	S.S. 304	1																				
13	HANDLE WASHER	S.S. 304	1																				
14	HANDLE NUT	S.S. 304	1																				
15	LOCKING PAD	S.S. 304	1																				
16	BELLEVILLE WASHER	S.S. 304	2																				
17	TAB WASHER	S.S. 304	1																				
18	O-RING	VITON	1																				
19	PACKING FOLLOWER	P.T.F.E +25% GF	1																				
20	STOP PIN	S.S. 304	1																				
21	BODY STUD	ASTM A193 GR.B8	4-8																				
22	BOLT NUT	ASTM A194 GR.8	4-8																				



SERIES N500N - N500S

NYLON 11 COATED DISC CF8M SS DISC



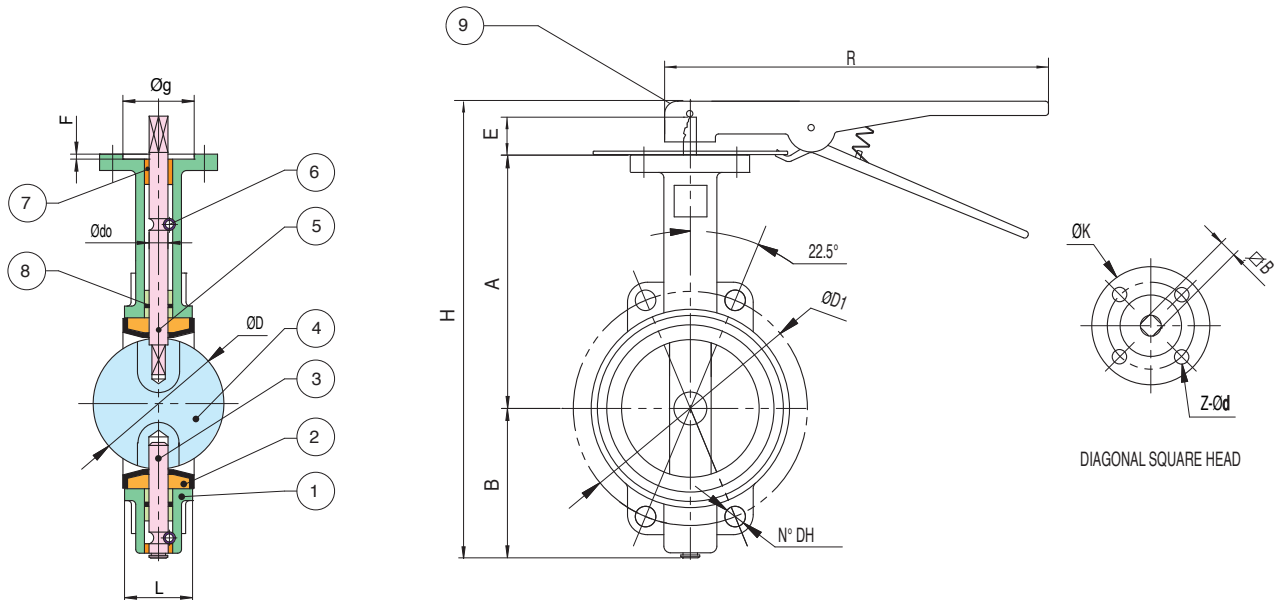
NSF/ANSI
61, 372

Manually operated Wafer butterfly valves.

- Epoxy coated cast iron wafer body.
- Sizes 1 1/2" to 12".
- ISO 5211 direct mounting pad/square stem.
- Food grade EPDM resilient seat -30°F to 250°F.
- API609 face to face flange.
- Floating dual shaft disc design.
- Pressure rating: 250 psi water (40°F to 80° F).
- MSS SP 67 compliant.
- No pins in disc prevent potential leak points.
- NSF certified for drinking water service (EPDM seats only).

530S: VITON SEATS.

540N-540S: BUNA-N SEATS.



N POS	PART NAME	MATERIAL	N POS
1	BODY	CAST IRON	1
2	SEAT	EPDM (30F to 250F)	1
3	LOWER SHAFT	SS 416	1
4	DISC 500N	IRON NYLON 11	1
	DISC 500S	STAINLESS STEEL	
5	UPPER SHAFT	SS 416	1
6	LOCATING PIN	CARBON STEEL	1
7	BUSHING	P.T.F.E.	1
8	O-RING	EPDM	1
9	LEVER	EPOXY-COATED CARBON STEEL	1

SIZE	ISO 5211	B	A	B	L	ØD	E	H	R	Ødo	UPPER FLANGE				DISC ØD1	WAFER N°-DH	Weight Lbs	SEAT TORQUE				Cv (GPM @ 1psi)
											ØK	Z-d	Øg	F				100 psi	200 psi	50% OP	100% OP	
1 1/2"	F05	9 mm	5.71	2.97	1.61	1.67	0.47	12.95	10.63	0.50	3.03	4-0.28	1.38	0.12	4.74	4-0.75	5.0	111	133	35	108	
2"	F05	9 mm	6.34	3.15	1.65	2.07	0.47	13.94	10.63	0.50	3.03	4-0.28	1.38	0.12	4.74	4-0.75	5.5	126	146	49	146	
2 1/2"	F05	9 mm	6.89	3.50	1.76	2.54	0.47	15.04	10.63	0.50	3.03	4-0.28	1.38	0.12	5.49	4-0.75	7.1	134	167	84	284	
3"	F05	9 mm	7.13	3.74	1.78	3.10	0.47	15.51	10.63	0.50	3.03	4-0.28	1.38	0.12	6.00	4-0.75	8.4	205	223	128	547	
4"	F07	11 mm	7.87	4.49	2.05	4.09	0.63	17	10.63	0.62	3.54	4-0.35	2.17	0.12	7.50	4-0.75	10.8	339	386	195	844	
5"	F07	14 mm	8.34	5.00	2.14	4.85	0.75	17.94	10.63	0.75	3.54	4-0.35	2.17	0.12	8.50	4-0.87	15.4	523	602	320	1375	
6"	F07	14 mm	8.90	5.47	2.20	6.13	0.75	19.06	10.63	0.75	3.54	4-0.35	2.17	0.12	9.50	4-0.87	17.2	677	996	418	1882	
8"	F10	17 mm	10.24	6.89	2.34	7.97	0.75	22.25	14.17	0.87	4.92	4-0.47	2.76	0.14	11.75	4-0.87	29.1	1205	1864	745	3340	
10"*	F10	22 mm	11.50	7.99	2.58	9.86	0.94	24.77	19.68	1.12	4.92	4-0.47	2.76	1.40	14.25	4-1.00	42.2	1890	3140	1264	5475	
12"*	F10	22 mm	13.27	9.53	3.03	11.87	0.94	28.31	19.68	1.24	5.51	4-0.47	2.76	1.40	17.00	4-1.00	71.5	2808	4767	1905	8270	

* 10" and 12" available in bare stem version only.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



BONOMI
NORTH AMERICA

BUTTERFLY VALVE

SERIES N501N - N501S

NYLON 11 COATED DISC CF8M SS DISC



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61, 372

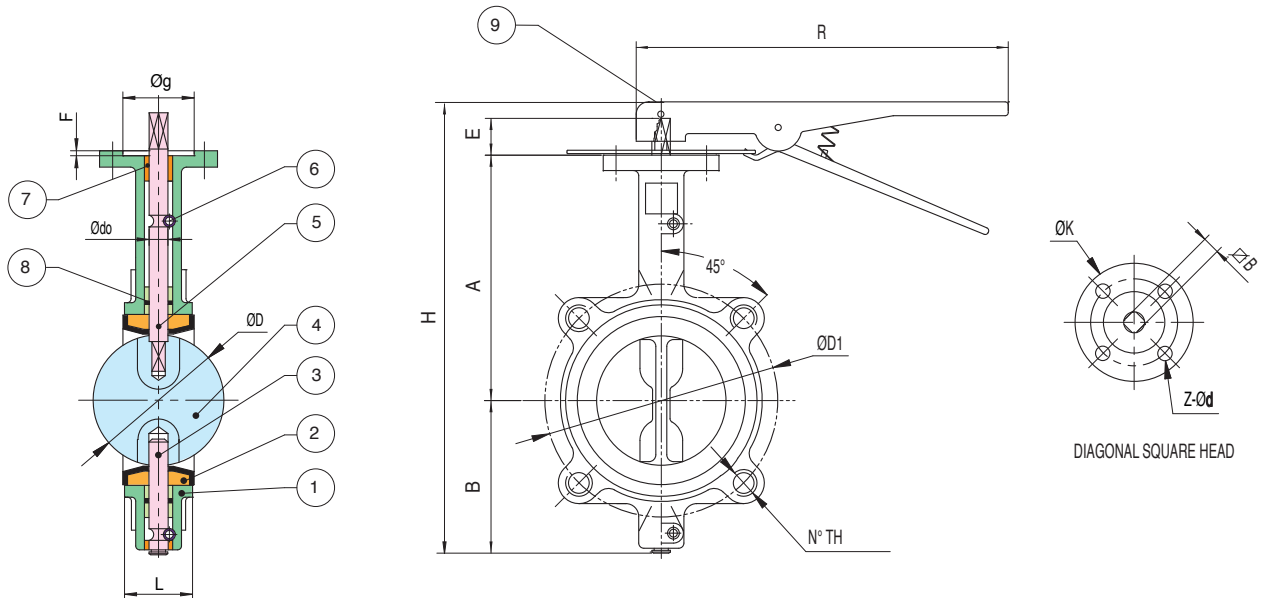


Manually operated Lug butterfly valves.

- Epoxy coated ductile iron lug body.
- Sizes 1 1/2" to 12".
- ISO 5211 direct mounting pad/square stem.
- Food grade EPDM resilient seat -30°F to 250°F.
- API609 face to face flange.
- Floating dual shaft disc design.
- Pressure rating: 250 psi water (40°F to 80°F).
- MSS SP 67 compliant.
- No pins in disc prevent potential leak points.
- NSF certified for drinking water service (EPDM seats only).
- Dead end service to 100 psi.

531S: VITON SEATS.

541N-541S: BUNA-N SEATS.



PART NAME	MATERIAL	N PCS
1 BODY	DUCTILE IRON	1
2 SEAT	EPDM (30F to 250F)	1
3 LOWER SHAFT	SS 416	1
4 DISC 500N	IRON NYLON 11	1
DISC 500S	STAINLESS STEEL	
5 UPPER SHAFT	SS 416	1
6 LOCATING PIN	CARBON STEEL	1
7 BUSHING	P.T.F.E.	1
8 O-RING	EPDM	1
9 LEVER	EPOXY-COATED CARBON STEEL	1

SIZE	ISO 5211	B	A	B	L	ØD	E	H	R	Ødo	UPPER FLANGE				DISC	LUG	Weight Lbs	SEAT TORQUE				Cv (GPM@ 1psi)
											ØK	Z-d	Øg	F		N°-TH		100 psi	200 psi	50% OP	100% OP	
1 1/2"	F05	9 mm	5.71	2.97	1.61	1.67	0.47	12.95	10.63	0.50	3.03	4-0.28	1.38	0.12	4.74	4-5/8"-11	7.9	111	133	35	108	
2"	F05	9 mm	6.34	3.15	1.65	2.07	0.47	13.94	10.63	0.50	3.03	4-0.28	1.38	0.12	4.74	4-5/8"-11	8.4	126	146	49	146	
2 1/2"	F05	9 mm	6.89	3.50	1.76	2.54	0.47	15.04	10.63	0.50	3.03	4-0.28	1.38	0.12	5.49	4-5/8"-11	9.3	134	167	84	284	
3"	F05	9 mm	7.13	3.74	1.78	3.10	0.47	15.51	10.63	0.50	3.03	4-0.28	1.38	0.12	6.00	4-5/8"-11	10.4	205	223	128	547	
4"	F07	11 mm	7.87	4.49	2.05	4.09	0.63	17	10.63	0.62	3.54	4-0.35	2.17	0.12	7.50	8-5/8"-11	19.8	339	386	195	844	
5"	F07	14 mm	8.34	5.00	2.14	4.85	0.75	17.94	10.63	0.75	3.54	4-0.35	2.17	0.12	8.50	8-3/4"-10	24	523	602	320	1375	
6"	F07	14 mm	8.90	5.47	2.20	6.13	0.75	19.06	10.63	0.75	3.54	4-0.35	2.17	0.12	9.50	8-3/4"-10	31.3	677	996	418	1882	
8"	F10	17 mm	10.24	6.89	2.34	7.97	0.75	22.25	14.17	0.87	4.92	4-0.47	2.76	0.14	11.75	8-3/4"-10	40.1	1205	1864	745	3340	
10"	F10	22 mm	11.50	7.99	2.58	9.86	0.94	24.77	19.68	1.12	4.92	4-0.47	2.76	1.40	14.25	12-7/8"-9	59.1	1890	3140	1264	5475	
12"	F10	22 mm	13.27	9.53	3.03	11.87	0.94	28.31	19.68	1.24	5.51	4-0.47	2.76	1.40	17.00	12-7/8"-9	88.2	2808	4767	1905	8270	

* 10" and 12" available in bare stem version only.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

BONOMI
NORTH AMERICA





SERIES GN500N - GN500S

NYLON 11 COATED DISC CF8M SS DISC



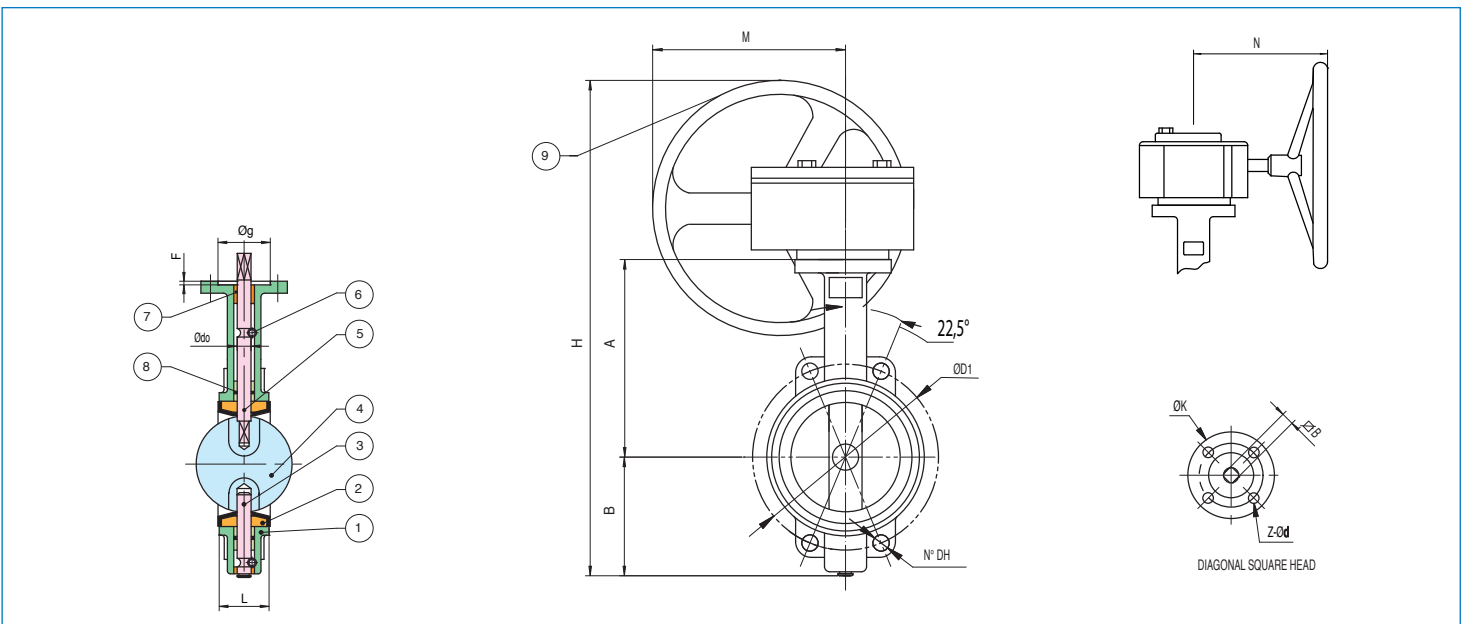
NSF/ANSI
61, 372

Gear operated Wafer butterfly valves.

- Epoxy coated cast iron wafer body.
- Sizes 1 1/2" to 12".
- Pressure rating: 250psi water (40°F to 80°F).
- Food grade EPDM resilient seat -30°F to 250° F.
- Low turn ratio.
- API609 face to face flange.
- Floating dual shaft disc design.
- IP54 enclosure.
- MSS SP 67 compliant.
- No pins in disc prevent potential leak points.
- NSF certified for drinking water service (EPDM seats only).
- Dead end service to 100 psi.

G530S: VITON SEATS.

G540N-G540S: BUNA-N SEATS.



N POS	PART NAME	MATERIAL	N PCS	SIZE	ISO 5211	B	A	B	L	H	M	N	Ødo	UPPER FLANGE				DISC ØD1	WAFER N°-DH	Weight Lbs	SEAT TORQUE				Cv (GPM@ 1psi)	
														ØK	Z-Ød	Øg	F				100 psi	200 psi	50% OP	100% OP		
1	BODY	CAST IRON	1	1 1/2"	F05	9 mm	7.24	2.97	1.61	13.12	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	4.74	4-0.75	16.3	111	133	35	108		
2	SEAT	EPDM (30F to 250F)	1	2"	F05	9 mm	7.60	3.15	1.65	13.93	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	4.74	4-0.75	17	126	146	49	146		
3	LOWER SHAFT	SS 416	1	2 1/2"	F05	9 mm	8.15	3.50	1.76	14.83	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	5.49	4-0.75	18.6	134	167	84	284		
4	DISC G500N	IRON NYLON 11	1	3"	F05	9 mm	8.38	3.74	1.78	15.31	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	6.00	4-0.75	19.9	205	223	128	547		
	DISC G500S	STAINLESS STEEL		4"	F07	11 mm	9.13	4.49	2.05	16.8	4.75	6.00	0.62	3.54	4-0.35	2.17	0.12	7.50	4-0.75	22.3	339	386	195	844		
5	UPPER SHAFT	SS 416	1	5"	F07	14 mm	9.60	5.00	2.14	17.78	4.75	6.00	0.75	3.54	4-0.35	2.17	0.12	8.50	4-0.87	26.9	523	602	320	1375		
6	LOCATING PIN	CARBON STEEL	1	6"	F07	14 mm	10.16	5.47	2.20	18.81	4.75	6.00	0.75	3.54	4-0.35	2.17	0.12	9.50	4-0.87	28.7	677	996	418	1882		
7	BUSHING	P.T.F.E.	1	8"	F10	17 mm	12.01	6.89	2.34	24.73	8.35	9.84	0.87	4.92	4-0.47	2.76	0.14	11.75	4-0.87	57.8	1205	1864	745	3340		
8	O-RING	EPDM	1	10"	F10	22 mm	13.27	7.99	2.58	27.03	8.35	9.84	1.12	4.92	4-0.47	2.76	1.40	14.25	4-1.00	70.9	1890	3140	1264	5475		
9	GEAR	CAST IRON	1	12"	F10	22 mm	15.04	9.53	3.03	30.34	9.06	8.94	1.24	5.51	4-0.47	2.76	1.40	17.00	4-1.00	104.6	2808	4767	1905	8270		

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



BONOMI
NORTH AMERICA



SERIES GN501N - GN501S



NSF/ANSI
61, 372

NYLON 11 COATED DISC

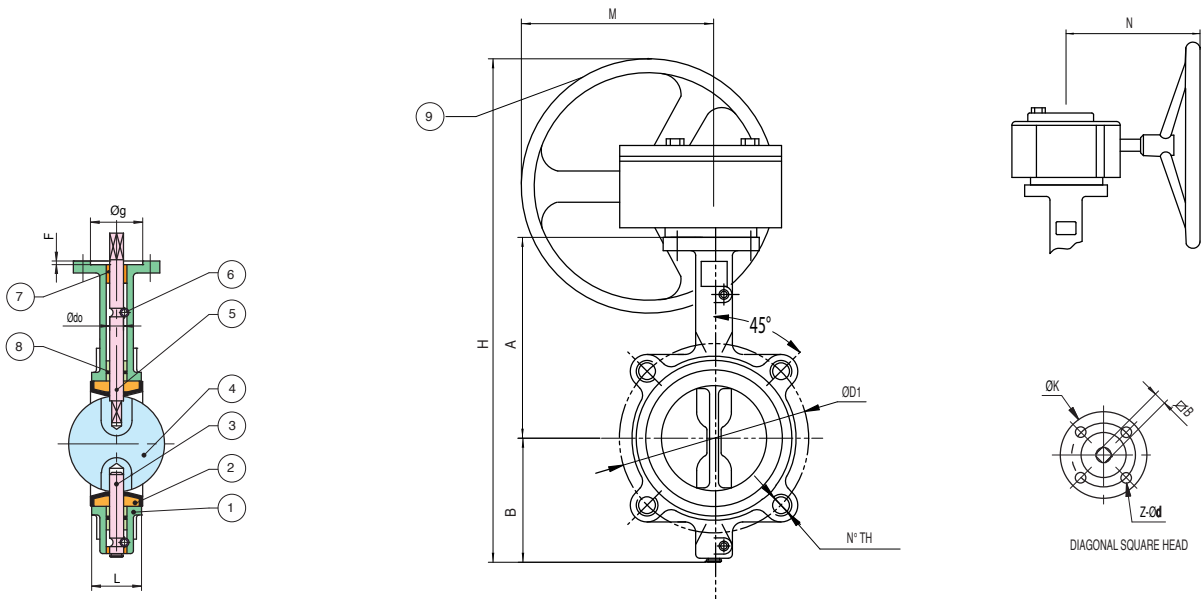
CF8M SS DISC

Gear operated Lug butterfly valves.

- Epoxy coated ductile iron lug body.
- Full port sizes 1 1/2" to 12".
- Pressure rating: 250 psi water (40°F to 80°F).
- Food grade EPDM resilient seat -30°F to 250°F.
- Low turn ratio.
- API609 face to face flange.
- Floating dual shaft disc design.
- IP54 enclosure.
- MSS SP 67 compliant.
- No pins in disc prevent potential leak points.
- NSF certified for drinking water service (EPDM seats only).
- Dead end service to 100 psi.

G531S: VITON SEATS.

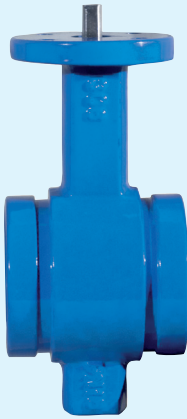
G541N-G541S: BUNA-N SEATS.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	DUCTILE IRON	1
2	SEAT	EPDM (30F to 250F)	1
3	LOWER SHAFT	SS 416	1
4	DISC G501N DISC G501S	IRON NYLON 11 STAINLESS STEEL	1
5	UPPER SHAFT	SS 416	1
6	LOCATING PIN	CARBON STEEL	1
7	BUSHING	P.T.F.E.	1
8	O-RING	EPDM	1
9	GEAR	CAST IRON	1

SIZE	ISO 5211	B	A	B	L	H	M	N	Ødo	UPPER FLANGE				DISC	LUG	Weight Lbs	SEAT TORQUE		Cv (GPM@ 1psi)	
										ØK	Z-Ød	Øg	F	ØD1	N°-TH		100 psi	200 psi	50% OP	100% OP
1 1/2"	F05	9 mm	7.24	2.97	1.61	13.12	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	4.74	4-5/8"-11	19.1	111	133	35	108
2"	F05	9 mm	7.60	3.15	1.65	13.93	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	4.74	4-5/8"-11	19.9	126	146	49	146
2 1/2"	F05	9 mm	8.15	3.50	1.76	14.83	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	5.49	4-5/8"-11	20.8	134	167	84	284
3"	F05	9 mm	8.38	3.74	1.78	15.31	4.75	6.00	0.50	3.03	4-0.28	1.38	0.12	6.00	4-5/8"-11	21.9	205	223	128	547
4"	F07	11 mm	9.13	4.49	2.05	16.8	4.75	6.00	0.62	3.54	4-0.35	2.17	0.12	7.50	8-5/8"-11	31.3	339	386	195	844
5"	F07	14 mm	9.60	5.00	2.14	17.78	4.75	6.00	0.75	3.54	4-0.35	2.17	0.12	8.50	8-3/4"-10	35.5	523	602	320	1375
6"	F07	14 mm	10.16	5.47	2.20	18.81	4.75	6.00	0.75	3.54	4-0.35	2.17	0.12	9.50	8-3/4"-10	42.8	677	996	418	1882
8"	F10	17 mm	12.01	6.89	2.34	24.73	8.35	9.84	0.87	4.92	4-0.47	2.76	0.14	11.75	8-3/4"-10	68.6	1205	1864	745	3340
10"	F10	22 mm	13.27	7.99	2.58	27.03	8.35	9.84	1.12	4.92	4-0.47	2.76	1.40	14.25	12-7/8"-9	87.3	1890	3140	1264	5475
12"	F10	22 mm	15.04	9.53	3.03	30.34	9.06	8.94	1.24	5.51	4-0.47	2.76	1.40	17.00	12-7/8"-9	121.3	2808	4767	1905	8270

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

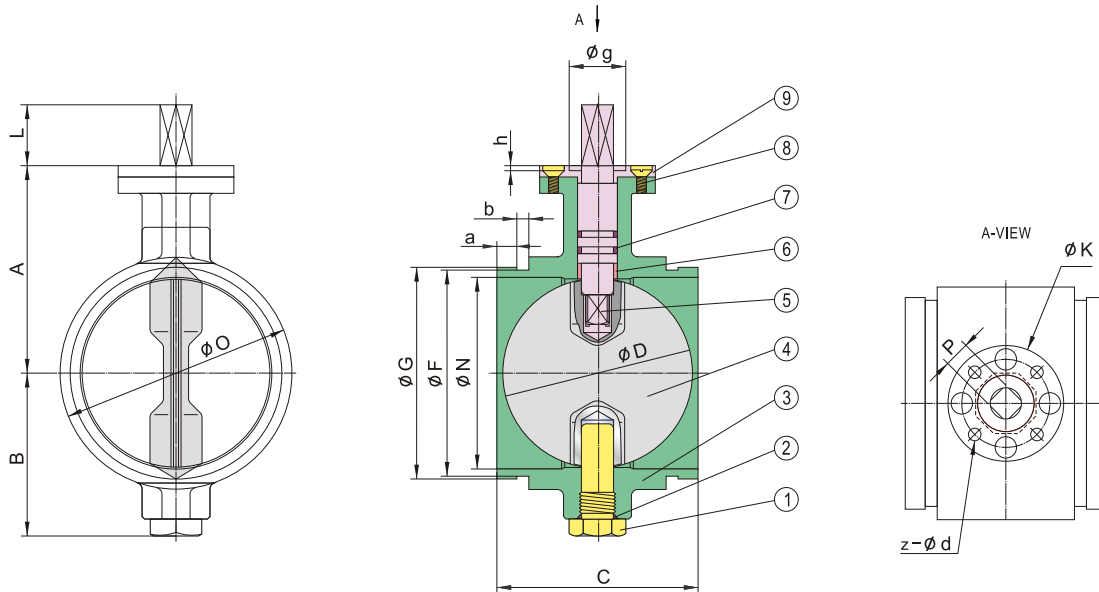


SERIES L700

GROOVED END

Direct mount grooved end butterfly valve.

- Working pressure 200 psi.
- EPDM coated disc, NBR coated available.
- Face to face MSS-SP-67.
- Ends meet ANSI AWWA C606.
- Epoxy coated ductile iron body.
- ISO 5211 direct mounting pad/square stem.
- Temperature range: -4°F to 212°F.
- Sizes 2" to 12".



N POS	PART NAME	MATERIAL	N PCS
1	LOWER SHATF	410 STAINLESS STEEL	1
2	O-RING	NBR, EPDM	1
3	BODY	CAST IRON DUCTILE IRON	1
4	DISC	DUCTILE IRON + NBR/EPDM	1
5	UPPER SHAFT	410 STAINLESS STEEL	1
6	BUSHING	P.T.F.E.	1
7	O-RING	NBR, EPDM	1
8	SCREW	CARBON STEEL ZINC PLATED	1
9	COVER	CARBON STEEL NICKEL PLATED	1

SIZE	ØA	B	C	D	L	P mm	K	ISO 5211	z-d	g	h	Ø	G	F	N	Cv	Break torque In-Lbs	Weight Lbs
2"	4.68	2.48	3.18	2.01	1.25	9	3.54	F05	4 x 9	2.16	0.12	2.79	2.37	2.25	1.96	135	124	3.90
2 1/2"	4.94	2.69	3.81	2.48	1.25	9	3.54	F05	4 x 9	2.16	0.12	3.03	2.87	2.72	2.40	220	204	4.80
3"	5.17	3.15	3.81	2.99	1.25	9	3.54	F05	4 x 9	2.16	0.12	3.97	3.50	3.34	3.14	302	425	5.90
4"	5.94	3.70	4.55	3.91	1.25	11	3.54	F07	4 x 9	2.16	0.12	4.96	4.50	4.33	3.97	600	496	9.90
5"	6.75	4.25	5.81	4.96	1.25	14	3.54	F07	4 x 9	2.16	0.12	5.74	4.50	5.39	5.00	1022	775	16.70
6"	7.20	4.84	5.81	5.91	1.61	14	3.54	F07	4 x 9	2.16	0.12	7.08	6.62	6.45	5.90	1579	1213	21.10
8"	8.08	5.88	5.25	7.89	1.25	17	4.92	F10	4 x 12	2.75	0.14	9.37	8.62	8.44	7.95	3136	2434	32.40
10"	9.84	7.32	6.25	9.87	1.61	22	4.92	F10	4 x 12	2.75	0.14	11.4	10.07	10.05	9.96	5340	4205	54.40
12"	10.8	8.38	6.50	11.8	1.61	22	4.92	F10	4 x 12	2.75	0.14	13.4	12.07	12.05	11.9	8250	5532	76.00

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

HIGH PERFORMANCE BUTTERFLY VALVE

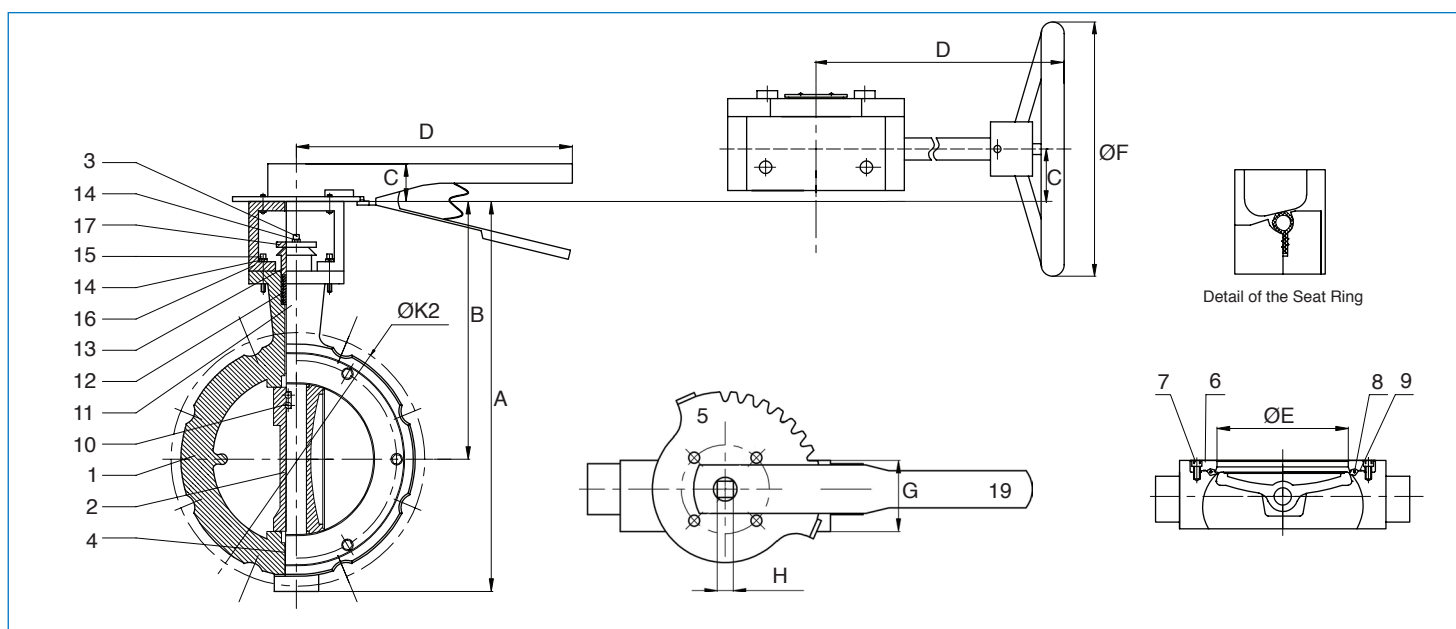
SERIES 8100 - 9100

CARBON STEEL STAINLESS STEEL

Manually operated ANSI 150 class, high performance Wafer style butterfly valves.

- ISO 5211 direct mounting pad/square stem.
- Compact design, easy access to packing.
- Replaceable seat design.
- Multiple V-ring stem packing.
- Reliable and consistent torques.
- R.P.T.F.E seats, metal seats upon request.
- 14" to 24" sizes available upon request.
- 150 WSP.
- Temperature range: -20° F to 475° F.
- Sizes 2" to 12".

G8100-G9100: Gear operated version.



N	POS	PART NAME	MATERIAL	N	PCS
1		BODY	WCB/CF8M	1	
2		DISC	CF8M	1	
3		STEM BOLT	SS 304	2	
4		STEM BUSHING	SS 316 + PTFE	3	
5		PLATE	SS 304	1	
6		SEAT RETAINER	WCB/CF8M	1	
7		RETAINER SCEW	SS 304	6-8	
8		O-RING	VITON®	1	
9		SEAT	CARBON FILLED P.T.F.E	1	
10		PIN	SS 316	2	
11		STEM	AISI 17-4PH	1	
12		V-RING	PTFE	6-9	
13		GLAND BUSHING	SS 316	1	
14		SPRING WASHER	SS 304	4	
15		HEX BOLT	SS 304	4	
16		MOUNTING FLANGE	WCB/CF8M	1	
17		GLAND	CF8M	1	
18		NUT	SS 304	2	
19		HANDLE	MALLEABLE IRON	1	

SIZE	A	B	C	D	ØE	ØF	G	H	ISO 5211	ØK2	Break torque	psi carbon-stainless	Cv	Weight Lbs
2"	9.42	6.42	1.26	10.5	2.45	C/F	1.75	11	F07	4.75 x 4	201	285/275	102	10.14
2-1/2"	9.13	6.42	1.26	10.5	2.91	C/F	1.88	11	F07	5.5 x 4	233	285/275	146	11.24
3"	10.43	7.4	1.26	10.5	3.37	C/F	1.92	11	F07	6 x 4	254	285/275	228	13.45
4"	11.73	8.23	1.26	10.5	4.25	C/F	2.13	14	F07	7.5 x 8	305	285/275	451	17.86
5"	13.95	9.07	1.26	10.5	5.3	C/F	2.25	17	F07	8.5 x 8	576	285/275	714	21.38
6"	14.5	9.6	1.26	10.5	6.4	C/F	2.31	17	F07	9.5 x 8	848	285/275	1103	28.66
8"	16.76	10.75	1.26	13.9	8.35	C/F	2.5	17	F10	11.75 x 8	1505	285/275	2064	46.08
10"	19.26	11.6	1.54	8.9	10.16	11.8	2.81	22	F10	14.25 x 12	2744	285/275	3517	71.65
12"	23.91	14.37	1.54	8.9	11.93	11.8	3.23	27	F14	17 x 12	4602	285/275	4837	121.69

HIGH PERFORMANCE BUTTERFLY VALVE

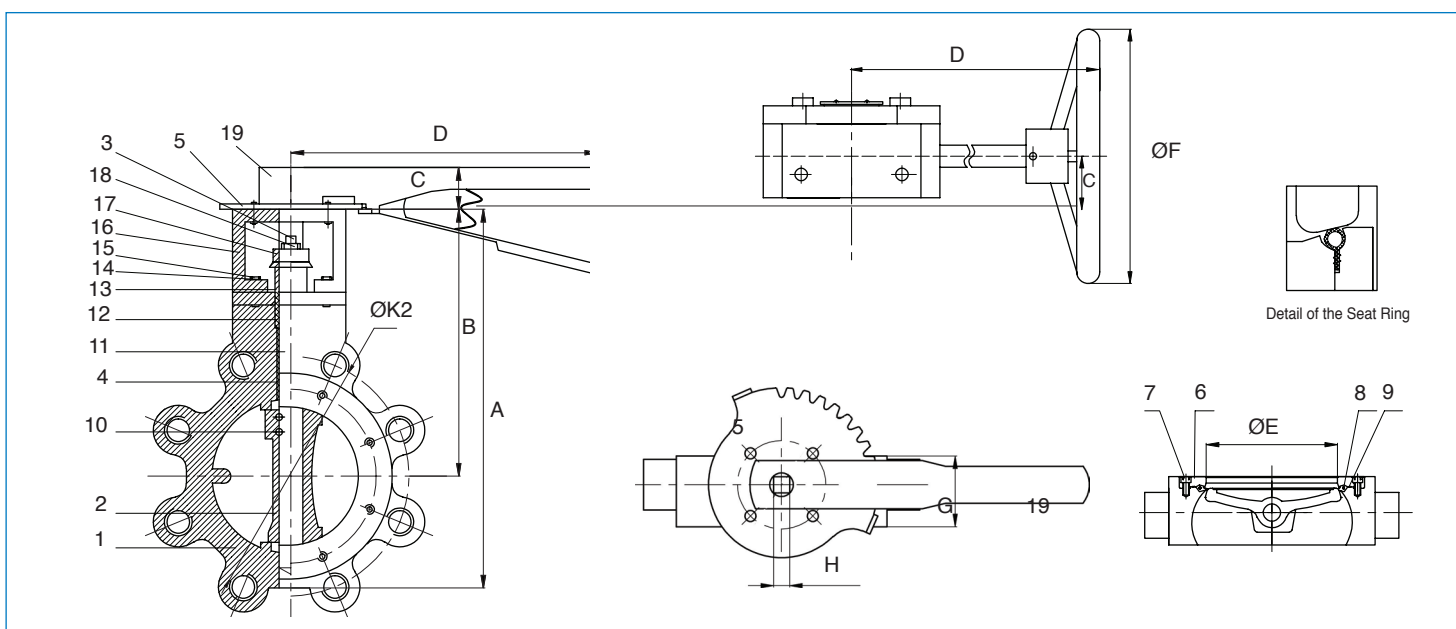
SERIES 8101 - 9101

CARBON STEEL STAINLESS STEEL

Manually operated ANSI 150 class, high performance Lug style butterfly valves.

- ISO 5211 direct mounting pad/square stem.
- Compact design, easy access to packing.
- Replaceable seat design.
- Multiple V-ring stem packing.
- Reliable and consistent torques.
- R.P.T.F.E seats, metal seats upon request.
- 14" to 24" sizes available upon request.
- 150 WSP.
- Temperature range: -20° F to 475° F.
- Sizes 2" to 12".

G8101-G9101: Gear operated version.



N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB/CF8M	1
2	DISC	CF8M	1
3	STEM BOLT	SS 304	2
4	STEM BUSHING	SS 316 + PTFE	3
5	PLATE	SS 304	1
6	SEAT RETAINER	WCB/CF8M	1
7	RETAINER SCEW	SS 304	6-8
8	O-RING	VITON®	1
9	SEAT	CARBON FILLED PTFE	1
10	PIN	SS 316	2
11	STEM	AISI 17-4PH	1
12	V-RING	PTFE	6-9
13	GLAND BUSHING	SS 316	1
14	SPRING WASHER	SS 304	4
15	HEX BOLT	SS 304	4
16	MOUNTING FLANGE	WCB/CF8M	1
17	GLAND	CF8M	1
18	NUT	SS 304	2
19	HANDLE	MALLEABLE IRON	1

SIZE	A	B	C	D	ØE	ØF	G	H	ISO 5211	ØK2	Break torque	psi carbon-stainless	Cv	Weight Lbs
2"	9.42	6.42	1.26	10.5	2.45	C/F	1.75	11	F07	4.75 x 4 x 5/8"	201	285/275	102	11.24
2-1/2"	9.13	6.42	1.26	10.5	2.91	C/F	1.88	11	F07	5.5 x 4 x 5/8"	233	285/275	146	12.57
3"	10.43	7.4	1.26	10.5	3.37	C/F	1.92	11	F07	6 x 4 x 5/8"	254	285/275	228	14.55
4"	11.73	8.23	1.26	10.5	4.25	C/F	2.13	14	F07	7.5 x 8 x 5/8"	305	285/275	451	23.37
5"	13.95	9.07	1.26	10.5	5.3	C/F	2.25	17	F07	8.5 x 8 x 3/4"	576	285/275	714	28.88
6"	14.5	9.6	1.26	10.5	6.4	C/F	2.31	17	F07	9.5 x 8 x 3/4"	848	285/275	1103	35.27
8"	16.76	10.75	1.26	13.9	8.35	C/F	2.5	17	F10	11.75 x 8 x 3/4"	1505	285/275	2064	66.14
10"	19.26	11.36	1.54	8.9	10.16	11.8	2.81	22	F10	14.25 x 12 x 7/8"	2744	285/275	3517	84.88
12"	23.91	14.37	1.54	8.9	11.93	11.8	3.23	27	F14	17 x 12 x 7/8"	4602	285/275	4837	142.2

HIGH PERFORMANCE BUTTERFLY VALVE

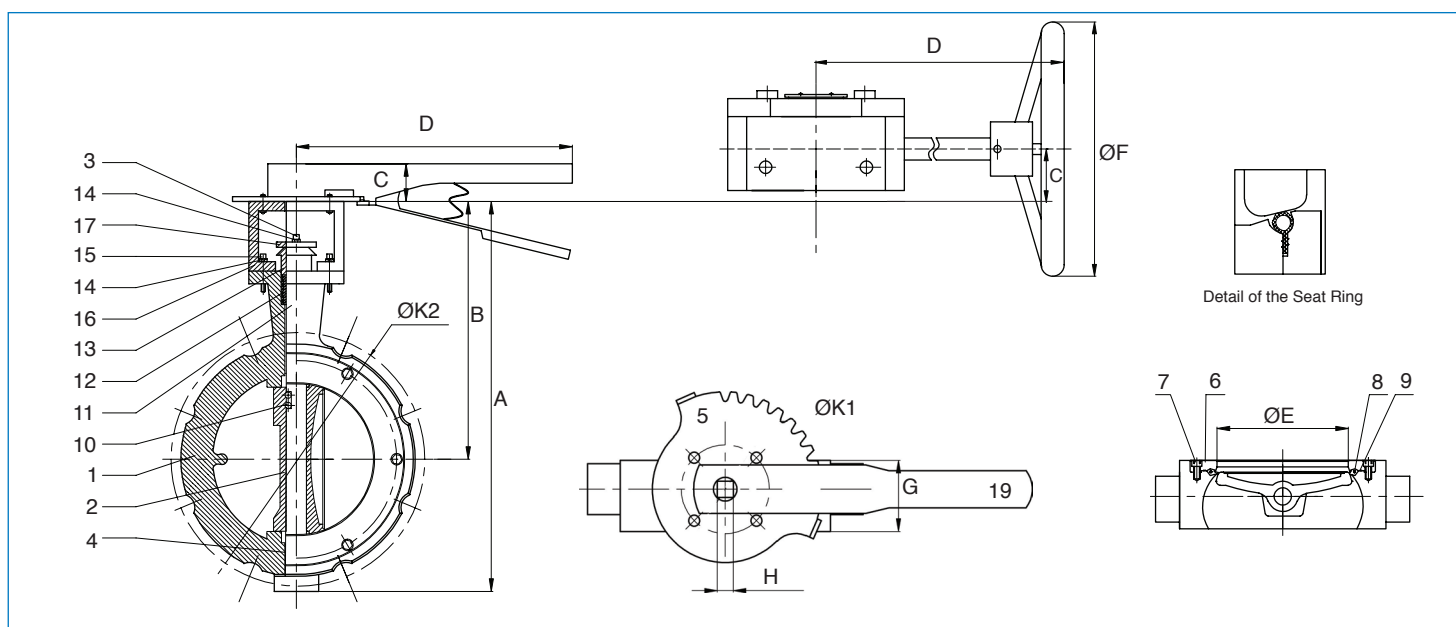
SERIES 8300 - 9300

CARBON STEEL STAINLESS STEEL

Manually operated ANSI 300 class, high performance Wafer style butterfly valves.

- ISO 5211 direct mounting pad/square stem.
- Compact design, easy access to packing.
- Replaceable seat design.
- Multiple V-ring stem packing.
- Reliable and consistent torques.
- R.P.T.F.E seats, metal seats upon request.
- 14" to 24" sizes available upon request.
- 150 WSP.
- Temperature range: -20° F to 475° F.
- Sizes 2" to 12".

G8300-G9300: Gear operated version.



N POS	PART NAME	MATERIAL	N PCS
1	BODY	WCB/CF8M	1
2	DISC	CF8M	1
3	STEM BOLT	SS 304	2
4	STEM BUSHING	SS 316 + PTFE	3
5	PLATE	SS 304	1
6	SEAT RETAINER	WCB/CF8M	1
7	RETAINER SCEW	SS 304	6-8
8	O-RING	VITON®	1
9	SEAT	CARBON FILLED P.T.F.E	1
10	PIN	SS 316	2
11	STEM	AISI 17-4PH	1
12	V-RING	PTFE	6-9
13	GLAND BUSHING	SS 316	1
14	SPRING WASHER	SS 304	4
15	HEX BOLT	SS 304	4
16	MOUNTING FLANGE	WCB/CF8M	1
17	GLAND	CF8M	1
18	NUT	SS 304	2
19	HANDLE	MALLEABLE IRON	1

SIZE	A	B	C	D	ØE	ØF	G	H	ISO 5211	ØK2	Break torque	psi carbon-stainless	Cv	Weight Lbs
2"	9.41	6.42	1.26	10.5	2.45	C/F	1.75	11	F07	5 x 8	253	740/720	102	11.24
2-1/2"	9.13	6.42	1.26	10.5	2.91	C/F	1.88	11	F07	5.88 x 8	277	740/720	146	13.01
3"	10.39	7.4	1.26	10.5	3.37	C/F	1.92	11	F07	6.625 x 8	295	740/720	228	14.77
4"	11.73	8.23	1.26	10.5	4.25	C/F	2.13	14	F07	7.875 x 8	428	740/720	451	20.94
5"	13.32	9.07	1.26	10.5	5.3	C/F	2.25	17	F07	9.25 x 8	723	740/720	714	28.5
6"	14.53	9.61	1.26	10.5	6.4	C/F	2.31	17	F07	10.625 x 12	1125	740/720	1103	35.71
8"	17.92	10.76	1.26	13.9	8.35	C/F	2.88	17	F10	13 x 12	1903	740/720	2064	56.22
10"	19.74	11.88	1.54	8.9	10.16	11.8	3.25	22	F10	15.25 x 16	3496	740/720	3517	77.16
12"	24.55	14.74	1.54	8.9	11.93	11.8	3.62	27	F14	17.75 x 16	5176	740/720	4837	123.46

HIGH PERFORMANCE BUTTERFLY VALVE



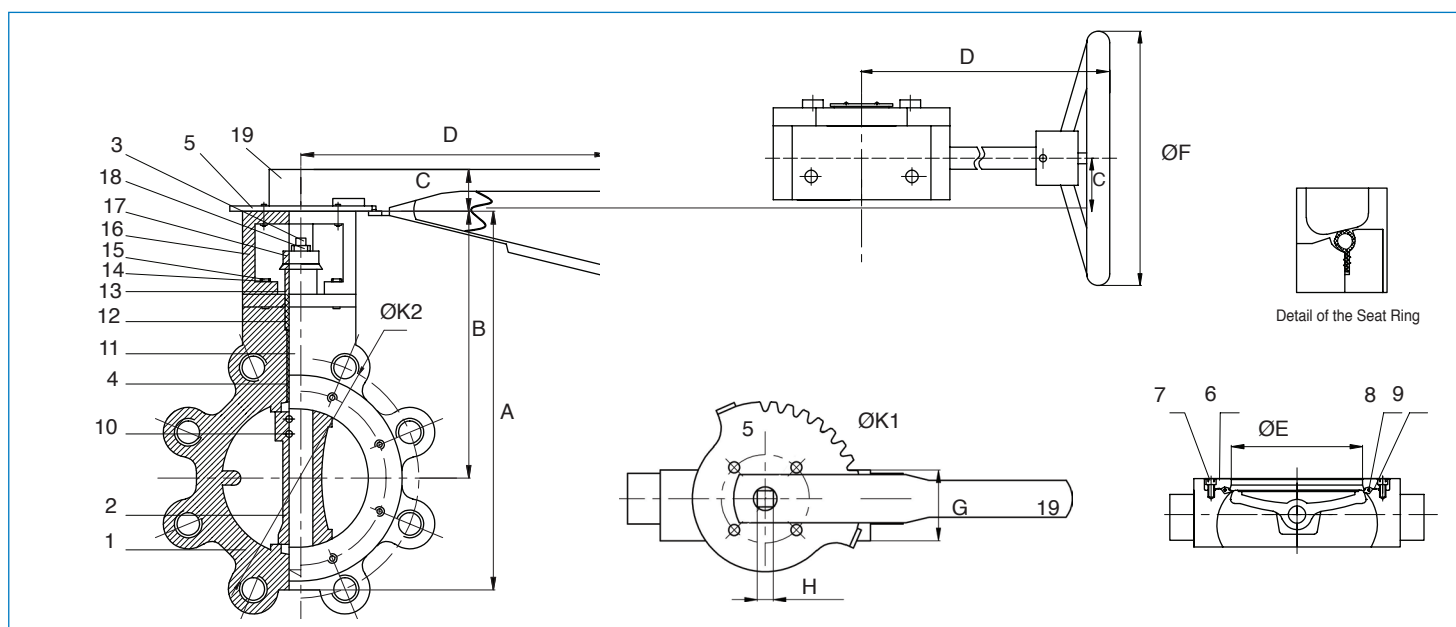
SERIES 8301 - 9301

CARBON STEEL STAINLESS STEEL

Manually operated ANSI 300 class, high performance Lug style butterfly valves.

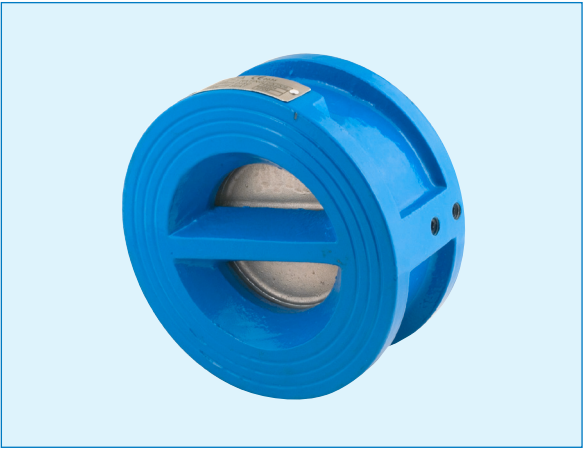
- ISO 5211 direct mounting pad/square stem.
- Compact design, easy access to packing.
- Replaceable seat design.
- Multiple V-ring stem packing.
- Reliable and consistent torques.
- R.P.T.F.E seats, metal seats upon request.
- 14" to 24" sizes available upon request.
- 150 WSP.
- Temperature range: -20° F to 475° F.
- Sizes 2" to 12".

G8301-G9301: Gear operated version.



N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB/CF8M	1
2	DISC	CF8M	1
3	STEM BOLT	SS 304	2
4	STEM BUSHING	SS 316 + PTFE	3
5	PLATE	SS 304	1
6	SEAT RETAINER	WCB/CF8M	1
7	RETAINER SCEW	SS 304	6-8
8	O-RING	VITON®	1
9	SEAT	CARBON FILLED P.T.F.E	1
10	PIN	SS 316	2
11	STEM	AISI 17-4PH	1
12	V-RING	PTFE	6-9
13	GLAND BUSHING	SS 316	1
14	SPRING WASHER	SS 304	4
15	HEX BOLT	SS 304	4
16	MOUNTING FLANGE	WCB/CF8M	1
17	GLAND	CF8M	1
18	NUT	SS 304	2
19	HANDLE	MALLEABLE IRON	1

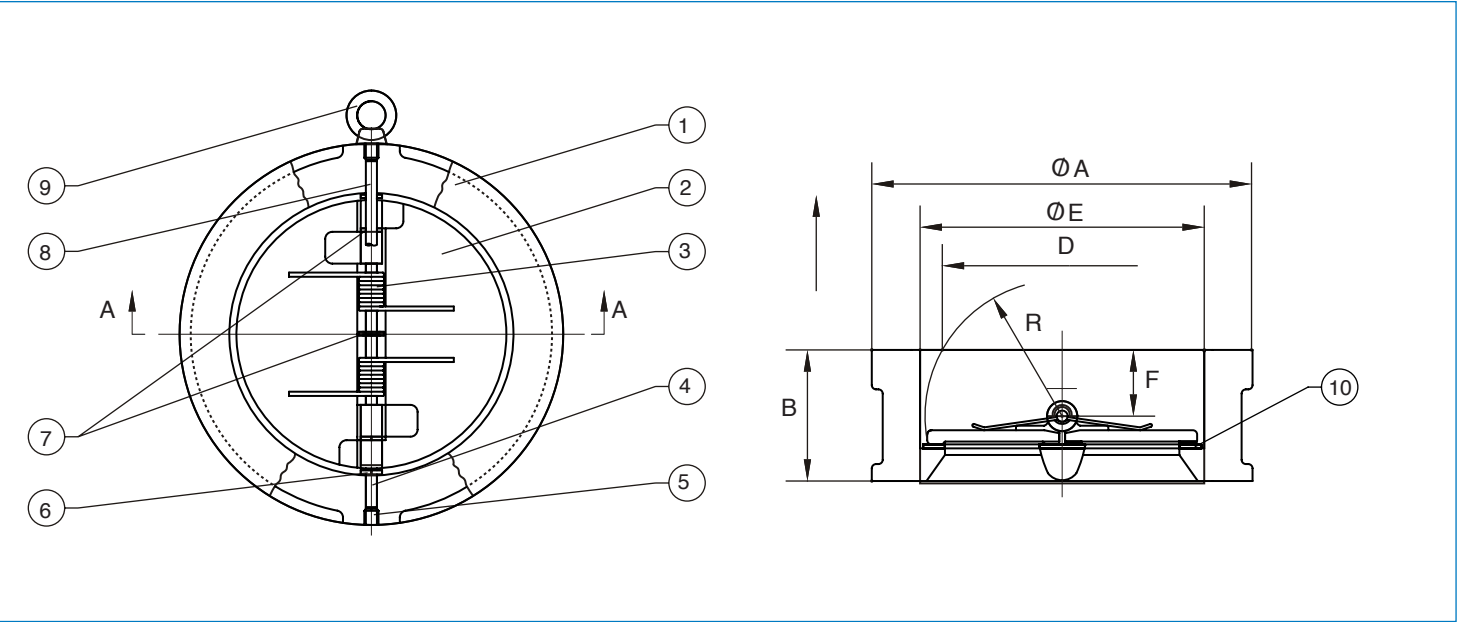
SIZE	A	B	C	D	ØE	ØF	G	H	ØK1	ØK2	Break torque	psi carbon-stainless	Cv	Weight Lbs
2"	9.42	6.42	1.26	10.5	2.45	C/F	1.75	11	F07	5 x 8 x 5/8"	253	740/720	102	14.33
2-1/2"	9.13	6.42	1.26	10.5	2.91	C/F	1.88	11	F07	5.88 x 8 x 3/4"	277	740/720	146	17.2
3"	10.47	7.4	1.26	10.5	3.37	C/F	1.92	11	F07	6.625 x 8 x 3/4"	295	740/720	228	19.62
4"	11.93	8.23	1.26	10.5	4.25	C/F	2.13	14	F07	7.875 x 8 x 3/4"	428	740/720	451	27.12
5"	13.95	9.07	1.26	10.5	5.3	C/F	2.25	17	F07	9.25 x 8 x 3/4"	723	740/720	714	33.29
6"	14.53	9.61	1.26	10.5	6.4	C/F	2.31	17	F07	10.625 x 12 x 3/4"	1125	740/720	1103	50.04
8"	17.92	10.76	1.26	13.9	8.35	C/F	2.88	17	F10	13 x 12 x 7/8"	1903	740/720	2064	78.92
10"	19.74	11.88	1.54	8.9	10.16	11.8	3.25	22	F10	15.25 x 16 x 1"	3496	740/720	3517	116.84
12"	24.55	14.74	1.54	8.9	11.93	11.8	3.62	27	F14	17.75 x 16 x 1-1/8"	5176	740/720	4837	165.35



SERIES **CI150E - CI150V**
CHECK VALVE

NSF
NSF/ANSI
61, 372

- Double door wafer style check valve.
- Ductile iron body
 - Stainless steel dual disc.
 - Stainless steel spring loaded.
 - Pressure rating 200 psi.
 - Epoxy coated body.
 - Food grade EPDM or Viton® seat options.
 - Can be used with ANSI 125 or 150 flanges.
 - Light weight and compact.
 - NSF certified for drinking water service (EPDM seats only).
 - Temperature range: -30° F to 250° F (EPDM seats).
 - Sizes 2" to 12".



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A536 GR 65-45-12 DUCTILE IRON	1
2	DISC	CF8M STAINLESS STEEL	1
3	STEM BOLT	STAINLESS STEEL	1
4	STEM BUSHING	STAINLESS STEEL	1
5	PLATE	CARBON STEEL	1
6	SEAT RETAINER	P.T.F.E	1
7	RETAINER SCEW	P.T.F.E	1
8	O-RING	STAINLESS STEEL	1
9	SEAT	CARBON STEEL	1
10	HANDLE	EPDM, VITON®	1

SIZE	OA	B	D	OE	F	R	Cv	psi	Weight Lbs
2"	4.01	1.69	1.70	2.55	0.74	1.13	70	200	3.30
2 1/2"	4.76	1.81	2.37	3.14	0.78	1.42	120	200	5.30
3"	5.23	2.51	2.61	3.70	1.10	1.70	190	200	7.90
4"	6.73	2.75	3.57	4.60	1.06	2.07	340	200	12.60
5"	7.59	2.99	4.60	5.70	1.18	2.58	590	200	16.10
6"	8.62	3.50	5.69	6.69	1.22	3.09	870	200	19.80
8"	10.8	4.48	7.80	8.81	1.29	4.11	1650	200	37,50
10"	13.2	4.48	9.20	10.4	1.96	4.99	2700	200	57.30
12"	15.9	5.00	11.2	12.2	1.69	5.83	4300	200	92,60