

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE

WAFER-TYPE, DUCTILE IRON BUTTERFLY VALVE

T-337AB

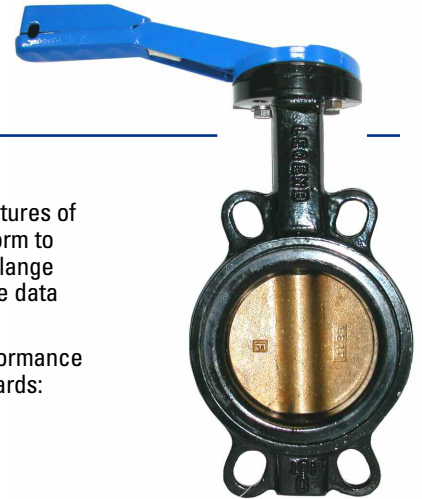
Epoxy coated wafer body allows easy positioning between flanges
 Extended neck will clear most piping insulation applications
 Bi-directional flow
 100% factory tested
 Rigid, phenolic-backed seat allows positive, bubble-tight shutoff
 Raised seat face eliminates the need for companion flange gaskets
 Heavy-duty lockable ten-position lever handle

Working Pressure, Non-Shock (PSI)

Saturated Steam: 125 psi

Cold Water, Oil, Gas: 200 psi

- Flange connection features of the valve's body conform to ANSI class 125 / 150 flange dimensions (see flange data chart).
- Manufactured in conformance to the following standards:
 - MSS SP-67
 - API 609
 - AWWA C504
 - EN 593
- Manufactured in an ISO accredited facility

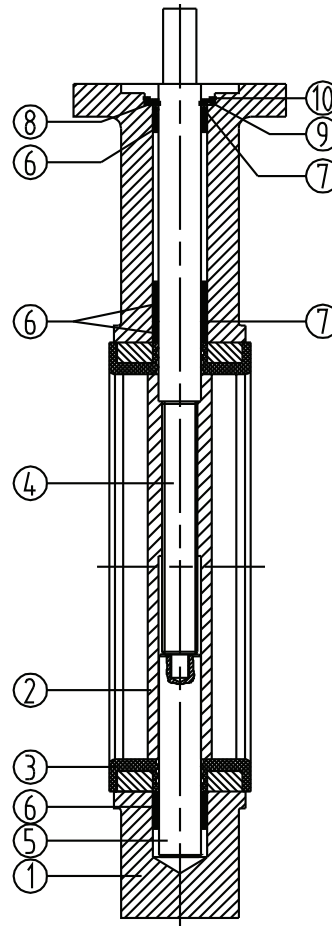


Special Order Disc Options:
 T-337DI: Ductile iron disc
 T-337SS: 316 Stainless steel disc

MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
1 Body	Ductile Iron, epoxy coated	ASTM A536 UNS F32800
2 Disc	Aluminum Bronze (T-337AB)	ASTM B148 UNS C95800
(optional disc material)	Ductile Iron (T-337DI)	ASTM A536 UNS F32800
(optional disc material)	Stainless Steel (T-337SS)	ASTM A351 CF8M (investment cast 316)
3 Seat	Buna N (NBR) Nitrile rubber	Commercial grade
Seat backing	Phenolic resin	
4 Upper Shaft	Stainless steel	AISI 410 stainless steel
5 Lower Shaft	Stainless steel	AISI 410 stainless steel
6 Bushings (upper and lower)	PTFE	DuPont Teflon* PTFE
7 O-Ring	Buna N (NBR) Nitrile rubber	Commercial grade
8 Half Ring	Stainless Steel	AISI 316 stainless steel
9 Washer	Stainless Steel	AISI 316 stainless steel
10 Retainer Ring	Stainless Steel	AISI 316 stainless steel

*Teflon is a registered trademark of DuPont



Pictured
T-337AB
 Cut-away

WAFER-TYPE, DUCTILE IRON BUTTERFLY VALVE

T-337AB Continued

DIMENSIONS

Size	A	B	C	D	E	F*	G*	hole dia.*
2"	2.07	5.59	0.75	2.89	0.43	2.76	3.54	0.39
2-1/2"	2.54	6.10	0.75	3.17	0.43	2.76	3.54	0.39
3"	3.11	6.34	0.75	3.66	0.43	2.76	3.54	0.39
4"	4.10	7.09	0.75	4.33	0.43	2.76	3.54	0.39
5"	4.86	7.60	0.75	4.83	0.55	2.76	3.54	0.39
6"	6.14	8.07	0.75	5.47	0.55	2.76	3.54	0.39
8"	7.99	9.84	0.98	6.89	0.67	4.02	4.92	0.47
10"	9.88	11.10	1.58	8.19	0.87	4.02	4.92	0.47
12"	11.89	12.84	1.58	9.61	0.87	4.02	4.92	0.47

Size	ISO 5211*	L	W	d	X	Y	Torque ft./lb
2"	F07	1.69	0.39	0.50	8.07	8.35	11.06
2-1/2"	F07	1.81	0.39	0.50	8.07	8.86	12.54
3"	F07	1.81	0.39	0.50	8.07	9.09	16.23
4"	F07	2.05	0.47	0.62	10.04	10.24	25.08
5"	F07	2.20	0.55	0.74	10.04	10.75	35.41
6"	F07	2.20	0.55	0.74	10.04	11.22	53.85
8"	F10	2.36	0.67	0.87	13.98	13.19	114.33
10"	F10	2.68	0.87	1.12	13.98	14.45	-
12"	F10	3.07	0.95	1.24	13.98	16.18	-

*Note: This information is applicable to the actuator mounting flange portion of the valve's body

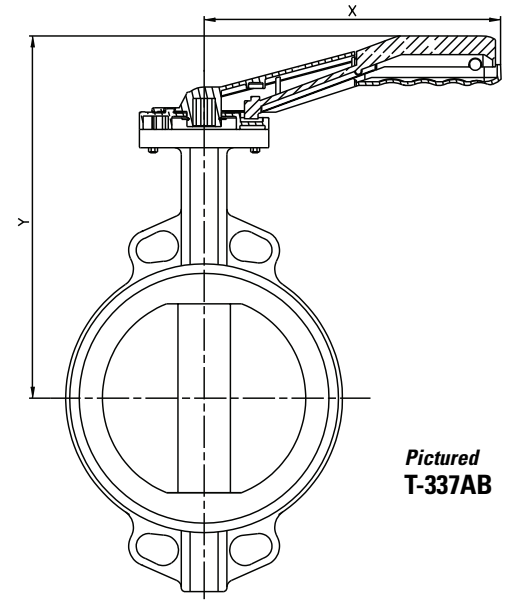
CLASS 125 / 150 FLANGE DATA

T-337AB nominal size	Bolt circle diameter	Bolt size	Number of bolt holes	Flange diameter
2"	4.75	5/8" - 11	4	6"
2-1/2"	5.5	5/8" - 11	4	7"
3"	6	5/8" - 11	4	7.50"
4"	7.5	5/8" - 11	8	9"
5"	8.5	3/4" - 10	8	10"
6"	9.5	3/4" - 10	8	11"
8"	11.75	3/4" - 10	8	13.50"
10"	14.25	7/8" - 9	12	16"
12"	17	7/8" - 9	12	19"

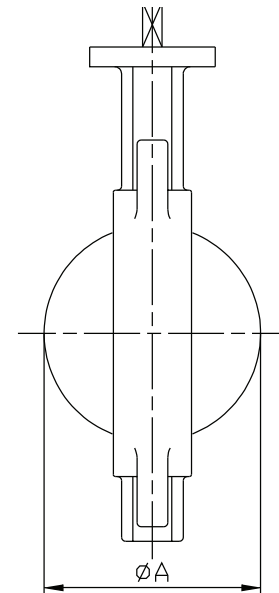
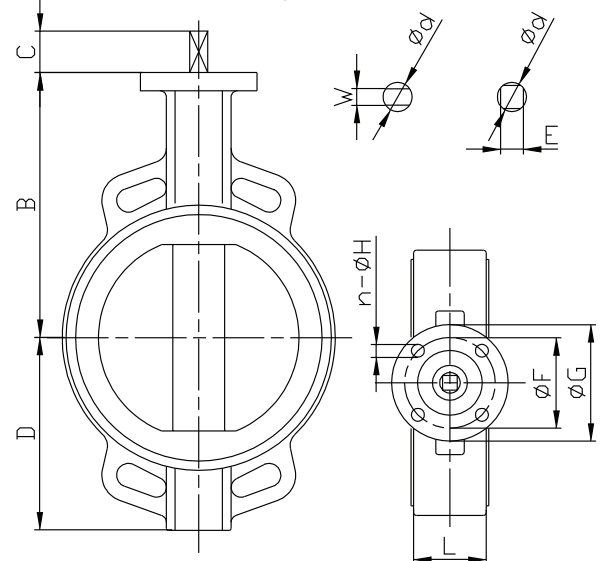
CV FACTORS

CV Factors expressed in GPM at various disc openings (in degrees):

VALVE SIZE	10	20	30	40	50	60	70	80	90	Stem DIA
2"	0.119	1.04	7.28	16.18	33.52	61.27	108.66	134.1	136.41	0.5"
2-1/2"	0.185	2.89	12.72	32.37	57.8	106.35	194.21	283.22	298.25	0.5"
3"	0.267	6.13	25.43	57.8	104.04	181.49	325.99	531.76	589.56	0.5"
4"	0.467	11.33	46.24	104.04	182.65	308.81	560.66	951.39	1070.46	0.62"
5"	0.744	18.5	80.92	173.4	304.03	497.08	885.5	1560.6	1734	0.74"
6"	1.07	97.1	130.63	265.88	456.62	739.84	1266.98	2138.6	2508.52	0.74"
8"	1.9	129.47	245.07	468.18	783.77	1253.1	2063.46	3520.02	4441.35	0.87"
10"	23.12	179.18	357.2	682.04	1143.28	1838.04	3139.7	5508.34	5796.18	1.12"
12"	55.49	327.15	443.9	861.22	1448.47	2379.05	4325.75	7883.92	10669.88	1.24"



Pictured T-337AB



Pictured T-337AB Disc open, side view