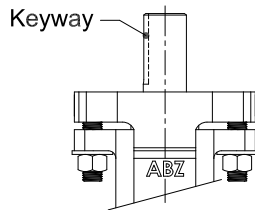
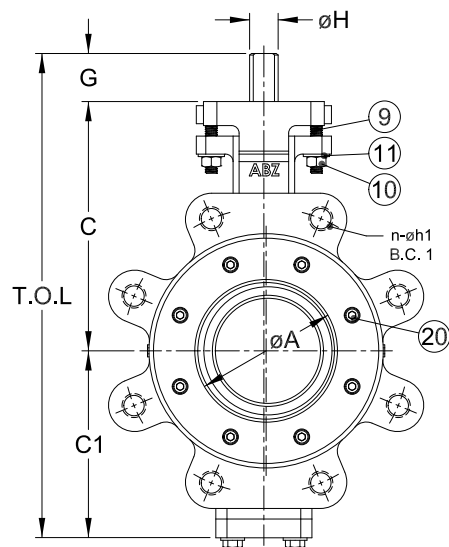
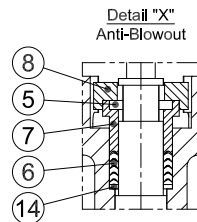


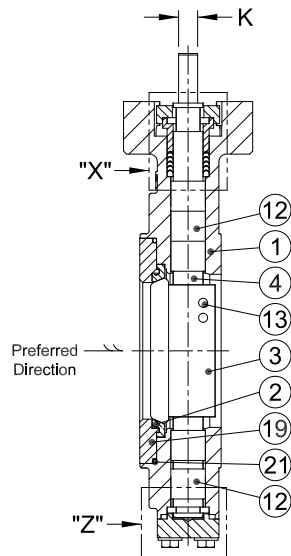
Top View



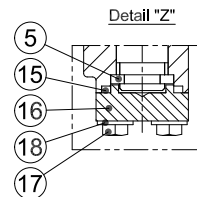
10" & 12" Stem



Flow View



Section View



Parts Schedule

Item No.	Name	Material	No. Req'd
1	Body	-	1
2	Seat Ring	-	1
3	Disc	-	1
4	Stem	-	1
5	Retainer Ring	-	2
6	Packing	-	1 Set
7	Packing Gland	-	1
8	Gland Flange	-	1
9	Gland Bolt	-	2
10	Nut	-	2
11	Spring Washer	-	2
12	Bush Bearing	-	2
13	Disc Pin	-	1 Set
14	Packing Retainer	-	1
15	Cap Packing	-	1
16	Cap	-	1
17	Cap Bolt	-	1 Set
18	Spring Washer	-	1 Set
19	Seat Retainer	-	1
20	Retainer Bolt	-	1 Set
21	O-Ring	-	1

Notes:

- Design : ANSI B16.34 & API 609
- Gasket Contact Surface : Finish 125~250 AARH
- Face to Face Dimension : API 609 Category B
- Flange Connection : ANSI B16.5 Class 150
- Installation Direction: Bi-Directional / Double Dead End Service
- Rated for full vacuum in non-preferred direction.

Valve Dimensions

Valve Size		øA	C	C1	D	F	G	øH	K	Keyway	T.O.L	Weight	Mounting Base			Flange Dimension		
Inch	MM												B.C. 2	n	øh2	B.C. 1	n	øh1
2"	50	1.89	5.08	3.66	1.69	3.25	1.26	.551	.374	—	10.00	11 lbs	3.25	4	.43	4.75	4	5/8"x11unc
2 1/2"	65	2.40	5.16	3.82	1.85	3.25	1.26	.626	.437	—	10.24	13 lbs	3.25	4	.43	5.50	4	5/8"x11unc
3"	80	2.76	5.51	4.02	1.89	3.25	1.26	.626	.437	—	10.79	14 lbs	3.25	4	.43	6.00	4	5/8"x11unc
4"	100	3.58	6.54	4.88	2.13	3.39	1.26	.748	.500	—	12.68	23 lbs	3.25	4	.43	7.50	8	5/8"x11unc
5"	125	4.61	6.97	5.31	2.24	3.39	1.26	.748	.500	—	13.54	32 lbs	3.25	4	.43	8.50	8	3/4"x10unc
6"	150	5.55	7.36	5.71	2.24	3.39	1.26	.748	.500	—	14.33	36 lbs	3.25	4	.43	9.50	8	3/4"x10unc
8"	200	7.48	8.78	6.81	2.52	4.92	1.26	.874	.626	—	16.85	59 lbs	5.00	4	.55	11.75	8	3/4"x10unc
10"	250	9.37	10.43	8.39	2.83	4.92	2.05	1.126	—	.25 x .25	20.87	90 lbs	5.00	4	.55	14.25	12	7/8"x9unc
12"	300	11.22	11.89	9.72	3.19	5.00	2.01	1.126	—	.25 x .25	23.62	132 lbs	5.00	4	.55	17.00	12	7/8"x9unc

Test Pressure(Psig)
API 598

Hydraulic			Air	
Shell	450	Seat	315	Seat
				-

FORUM
ENERGY TECHNOLOGIES

Valve Solutions
ABZ Valves & Controls



Title:	Elite Double Offset Butterfly Valve Series 412 - Class 150 - Lug Type	Scale N/A
DWG No.	2"-12" 412-Bare Stem	Projection Unit inch

Date	09-22-11	Drawn	BC	Checked	Tp	Dimensions are subject to change without notice.	Revision	0
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