



Class 150 LUG Style High Performance Butterfly Valve

FIG.# 4E-HP-LT200-B1C8M16

FIG.# 4E-HP-LT200-B1WCB16

Double Eccentric;

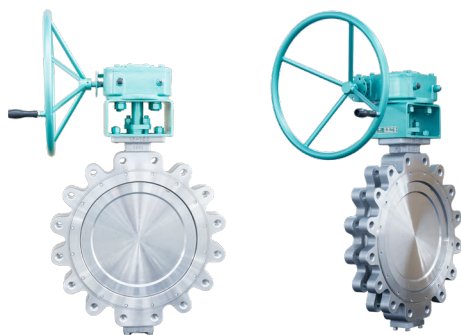
Sizes: 2" – 16" (full port)

Pressure: Class 150

Design: API609,NACE MR0175

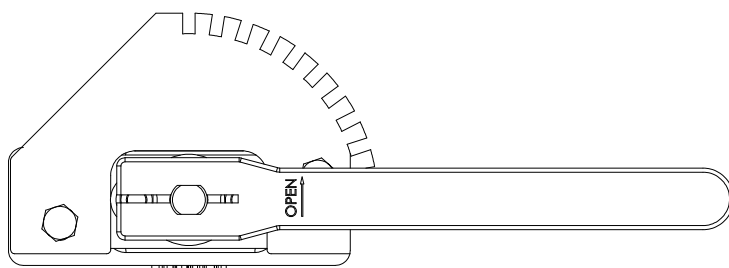
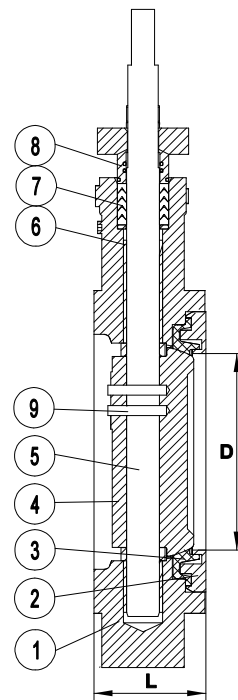
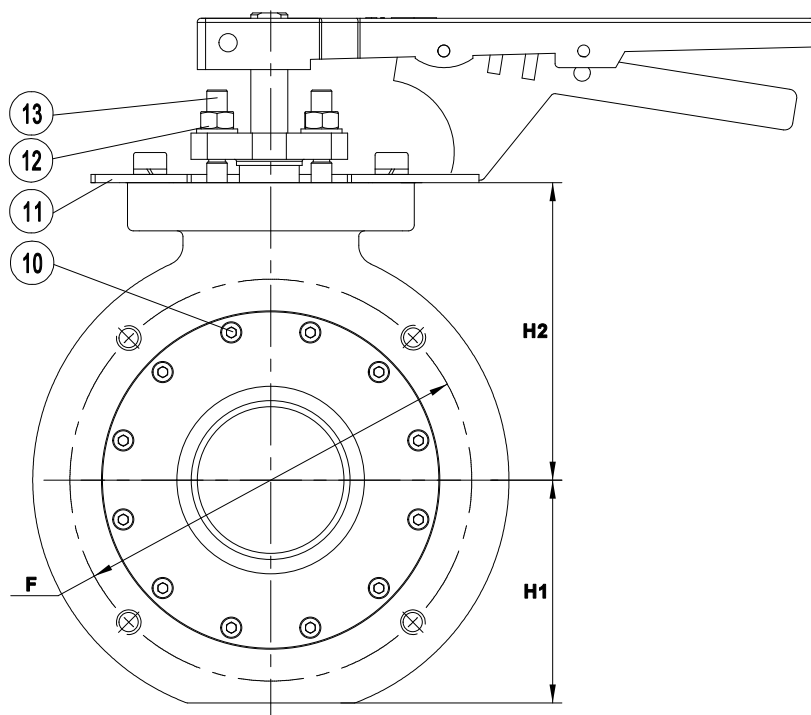
End Connections: LUG

2-6"Lever Operation; 8-16"Gear Operation;

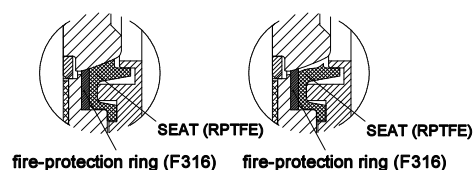


MATERIAL LIST

No.	Part Name	Material	
1	Body	WCB	CF8M
2	Insert	A105	F316
3	Seat	F316+RPTFE	F316+RPTFE
4	Disc	CF8M	CF8M
5	Stem	17-4PH	17-4PH
6	Sleeve	SS316L+RPTFE	SS316L+RPTFE
7	Packing	LE Flex Graphite	LE Flex Graphite
8	Cover	WCB	CF8M
9	Pin	17-4PH	17-4PH
10	Screw	A29 1035	A4-70
11	Screw	A29 1035	A29 1035
12	Nut	A194 2HM	A194 8M
13	Bolt	A193 B7M	A193 B8M



Before Fire During And After Fire

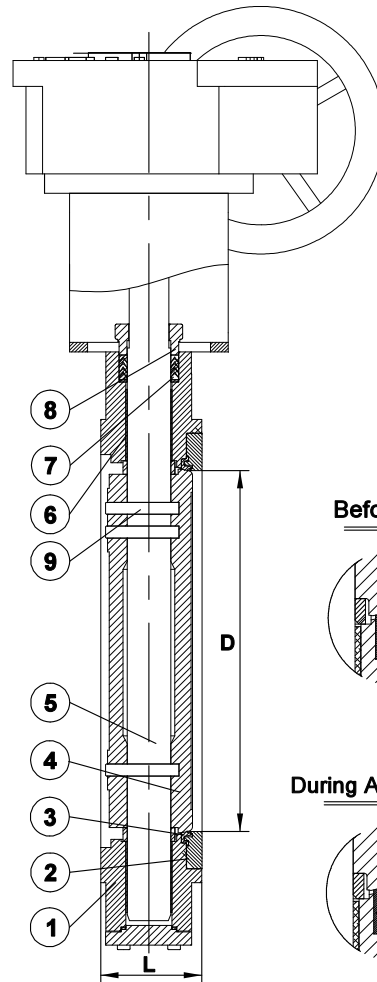
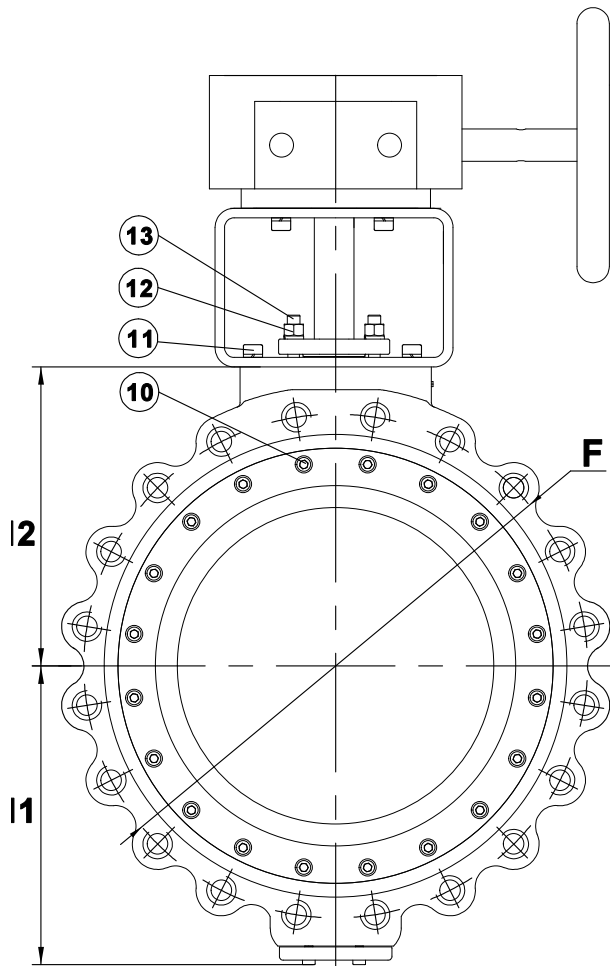


Class 150 LUG Style High Performance Butterfly Valve 4E®

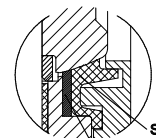
Standard	Inspection & Test	API 598
	End Standard	ASME B16.5
	Design	API 609
Temperature		-20,2 to 302 °F (-29 to 150°C)

NOTE:

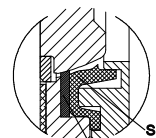
- 1.Lever and Gear Operator must be specified at the point of order.
- 2.Due to the continous development of our products, there may be short-term difference between our actual product specifications and the information shown on our cutsheet.



Before Fire



During And After Fire



DIMENSIONS & WEIGHT

SIZE	unit	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
H1	inch	2.91	3.23	3.66	4.33	4.72	5.31	6.77	7.95	9.49	11.61	12.95
	mm	74	82	93	110	120	135	172	202	241	295	329
H2	inch	3.23	4.37	4.72	5.24	5.31	5.98	7.36	9.09	10.24	12.40	13.98
	mm	82	111	120	133	135	152	187	231	260	315	355
F	inch	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00	18.75	21.25
	mm	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362	431.8	476.3	539.8
L	inch	1.73	1.89	1.89	2.13	2.24	2.24	2.52	2.80	3.19	3.62	4.02
	mm	44	48	48	54	57	57	64	71	81	92	102
D	inch	1.97	2.32	2.87	3.78	4.37	5.59	7.40	9.29	11.10	12.36	14.25
	mm	50	59	73	96	111	142	188	236	282	314	362
Weight	LBS.	11.00	15.43	17.64	24.25	28.66	35.27	68.34	92.59	141.10	231.49	308.65
	Kgs.	5	7	8	11	13	16	31	42	64	105	140
Torque	N.m	29	32	38	55	57	130	230	353	456	938	2800