

Triple Eccentric High Performance Butterfly Valves, Lug Type Series 83L

- **Size Range**

DN65 to DN1800 (2½" to 72")

- **Body Material**

CF8M/CF8/WCB

- **Pressure Rating**

ANSI CLASS 150, CLASS 300

- **Temperature Range**

Laminated seat -103°F ~ 1022°F (-75°C~550°C)

Solid metal seat -321°F ~ 1400°F (-196°C~760°C)

- **Operation**

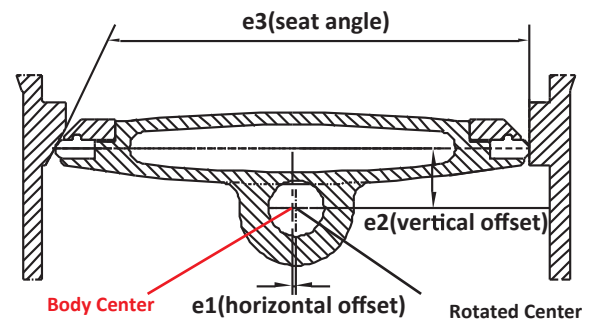
Gear box

Pneumatic actuation

Electric actuation

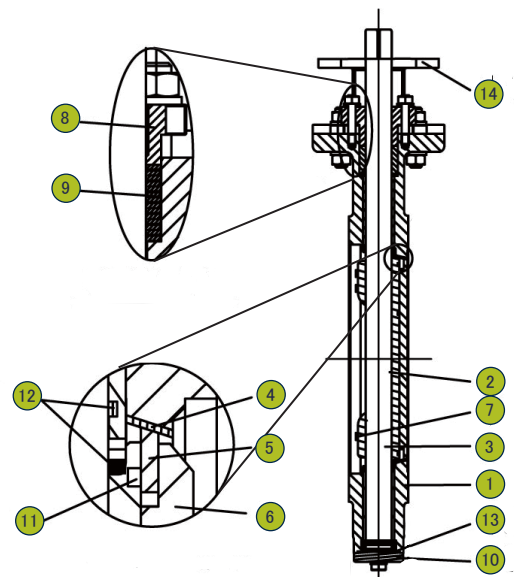
- **Design feature**

- Virtually no rubbing from the resilient seal on the seating surface. This enhances the life and performance of the elastomeric disc seal and thereby preventing wear and consequent leakage.
- Disc seal ring designed to be flex could self-adjustment in different pressure and temperature and compress elastically on sealing surface to achieve the best sealing function.
- Body seat with satellite #21 hard face overlay provide long service life, other materials is available on customer request.

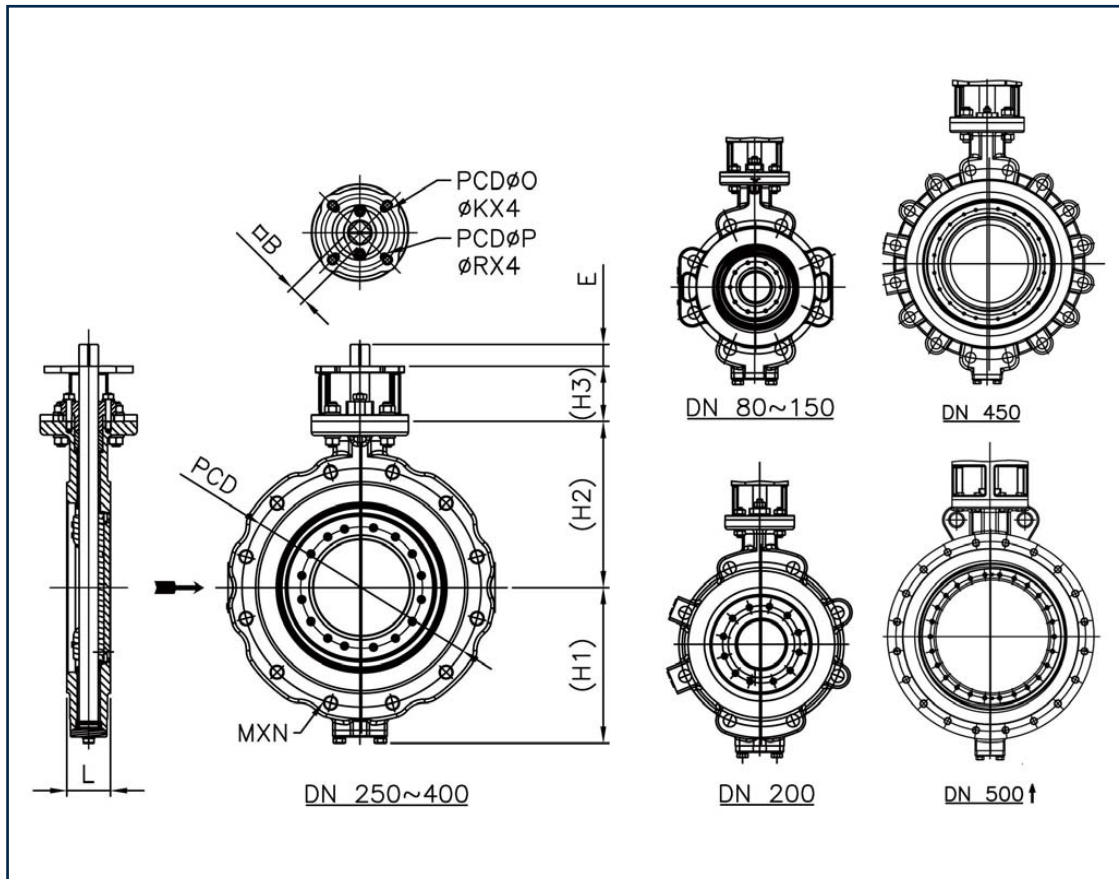


Materials

No.	Parts Name	Materials	Remark
1	Body	A351 CF8	
		A351 CF8M	
		A216 WCB	
2	Disc	Same as body	
3	Stem	A564 Gr.630	
		A479 XM-19	
		A182 F6A Class 3	
4	Body Seat	Stellited	
5	Disc Seat Ring	A240 316+GRAPHITE	
		A240 304+GRAPHITE	
		UNS S32205+GRAPHITE	
6	Retainer	A351 CF8	
		A351 CF8M	
7	Pin	A182 F316	
8	Gland	A351 CF8(body WCB) Same as body	
9	Gland Packing	Graphite	
10	Bottom Cover	Same as body	
11	Gasket	Graphite	
12	Seal	Graphite	
13	Bottom Packing	Graphite	
14	Yoke	A216 WCB	Above 20"
		A536 65-45-12	



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Dimensions

Valve Size		L	H1	H2	H3	B	O	K	P	R	E	Key	Cv
NPS	MM												
3"	80	47	137	145	60	11	70	9			18		173
4"	100	53	140	155	60	11	70	9	50	7	18		355
6"	150	56	177	200	70	14	102	11	70	9	24		1040
8"	200	63	204	225	70	19	102	11	70	9	28		1980
10"	250	69	252	270	80	22	125	14	102	11	28		3150
12"	300	79	281	300	100	27	140	18	125	14	37		4680
14"	350	79/92	317	355	100	*41.7	140	18	125	14	55	12x8	6388
16"	400	102	351	385	120	*44.7	165	22	140	18	55	12x8	8312
18"	450	114	376	430	120	*49.7	165	22	140	18	65	16x10	10525
20"	500	127	411	455	120	*54.7	165	22	140	18	65	16x10	13053
24"	600	154	476	540	150	*64.7	254	18	165	22	80	18x12	18610