

Double Eccentric High Performance Butterfly Valves, Lug Type Model 82-L

• Flange requirements

- ASME Class150
- DIN PN 10/ 16/ 25
- JIS 10K/ 16K/ 20K
- Others may be available upon request

• Standard

- Basic Design to API 609
- Inspection & testing according to API 598/ISO 5208
- PED 97/23/EC; ISO 9001

• Material.

CF8M/CF8/WCB

• Pressure Rating

Class 150 / PN10,16,25

• Body Rating

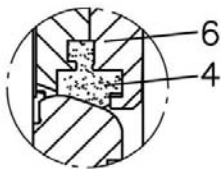
PN25

• Size

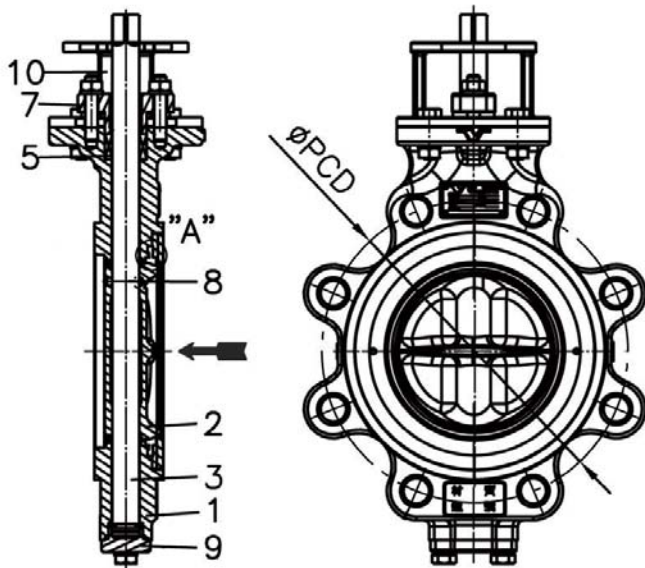
2" ~ 24"

• Temperature Range

-25°F ~ 400°F (R.PTFE)



DETAIL "A"



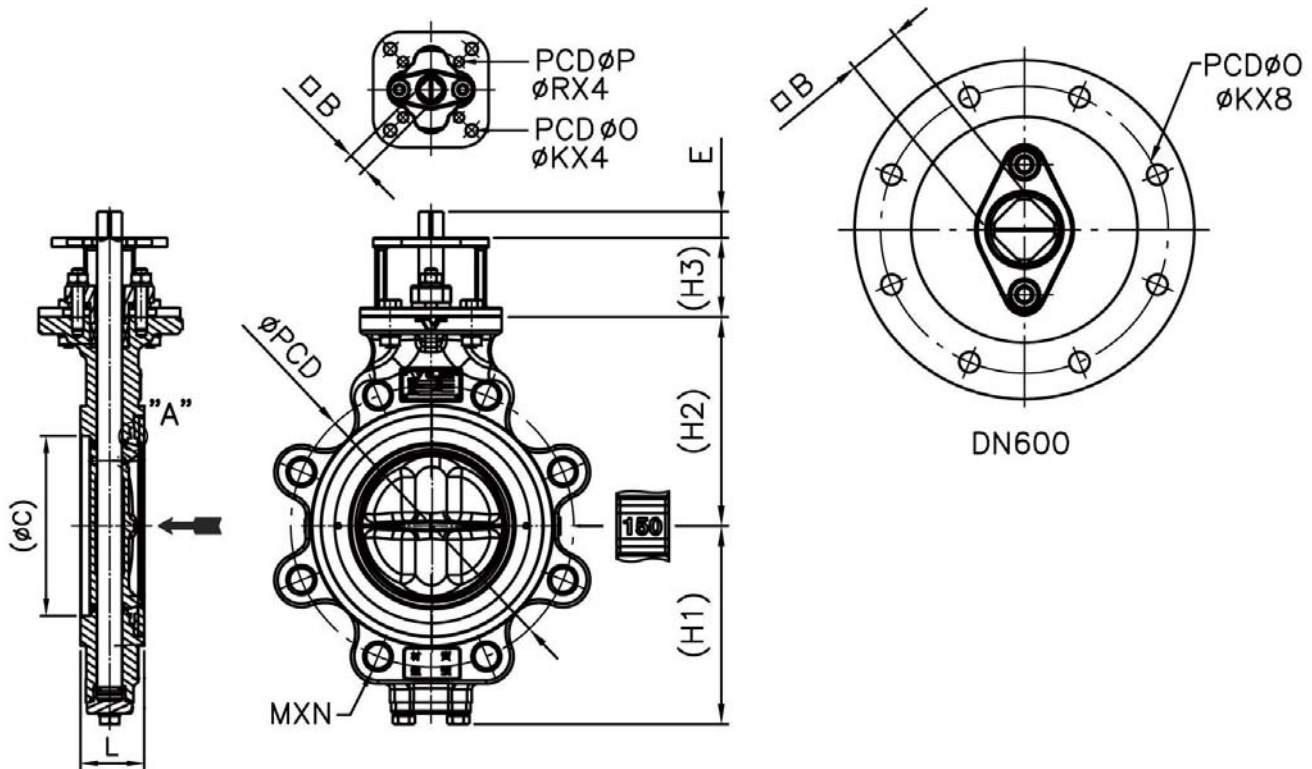
• Design feature

- Valves are high performance with offset seat and double eccentric disc design
- Valves seat are designed for full pressure, and bi-directional sealing
- Integral ISO 5211 mounting pad easy for automation
- One-piece shaft design equipped with blow-out proof and anti-static devices
- Patented seat retainer ring fixed without bolts and offering complete uninterrupted seal face
- Valves has integral body stop to prevent over travel
- DIN EN10204-3.1 certificate available

Materials List:

No.	Parts Name	JIS	ASTM	Remark
1	Body	SCS13	A351 CF8	
		SCS14	A351 CF8M	
		SC480	A216 WCB	
2	Disc	SCS13	A351 CF8	
		SCS14	A351 CF8M	
3	Seat		PTFE	0~160°C
			PTFE/Fiberglass Composite	0~180°C
			PTFE/Graphite Composite	0~210°C
4	Gland Packing		PTFE	0~160°C
			PTFE/Fiberglass Composite	0~180°C
5	Retainer	SCS13	A351 CF8	
		SCS14	A351 CF8M	
6	Stem		A182 F304	
			A182 F316	
			A479 XM-19	
			A536 630	
7	Gland	SCS14	A351 CF8M	2"~14"
			Same as body	16"~24"
8	Pin	SUS316	A182 F316	
9	Bottom Cover	SCS14	A351 CF8M	
10	Yoke		A216 WCB	2"~20"
			A536 65-45-12	24"

Double Eccentric High Performance Butterfly Valves, Lug Type Model 82-L



DIMENSIONS LIST:

Valve Size		L	C	H1	H2	H3	B	O	K	P	R	E	Cv	Weight kg	ASME Class 150		BS10 Table E	
NPS	MM														PCD	M x N	PCD	M x N
2"	50	43	58	98	118	60	11	70	9	50	7	18	66	4.2	120.7	5/8"-11UNCx4	114.3	5/8"-11UNCx4
2.5"	65	46	78	110	125	60	11	70	9	50	7	18	140	5.5	139.7	5/8"-11UNCx4	127	5/8"-11UNCx4
3"	80	47	92	128	140	70	14	102	11	70	9	23	260	8.5	152.4	5/8"-11UNCx4	146.1	5/8"-11UNCx4
4"	100	53	110	150	157	70	14	102	11	70	9	23	420	14	190.5	5/8"-11UNCx4	177.8	5/8"-11UNCx8
5"	125	57	135	163	170	70	17	102	11	70	9	23	720	18	215.9	3/4"-10UNCx8	209.6	5/8"-11UNCx8
6"	150	56	162	176	185	70	17	102	11	70	9	23	1200	19.5	241.3	3/4"-10UNCx8	235	3/4"-10UNCx8
8"	200	62	205	206	220	80	19	125	14	102	11	28	2000	31	298.5	3/4"-10UNCx8	292.1	3/4"-10UNCx8
10"	250	68	258	238	260	80	22	125	14	102	11	28	3100	47	362	7/8"-9UNCx12	355.6	3/4"-10UNCx12
12"	300	78	303	269	290	100	27	140	18	125	14	37	4750	67	431.8	7/8"-9UNCx12	406.4	7/8"-9UNCx12
14"	350	78	360	306	326	100	27	140	18	125	14	37	5850	103	476.3	1"-8UNCx12	469.9	7/8"-9UNCx12
16"	400	102	410	342	370	120	36	165	22	140	18	47	8300	178	539.8	1"-8UNCx16	520.7	7/8"-9UNCx12
18"	450	114	460	370	395	120	36	165	22	140	18	47	10400	198	577.9	1-1/8"-8UNCx16	584.2	7/8"-9UNCx16
20"	500	127	510	399	430	120	46	165	22	140	18	56	13800	265	635	1-1/8"-8UNCx20	641.4	7/8"-9UNCx16
24"	600	154	610	455	490	150	46	256	18			56	22500	486	749.3	1-1/4"-8UNCx20	755.7	1-1/8"-8UNCx16

Double Eccentric High Performance Butterfly Valves, Lug Type, Metal Seated Model 82M-L

• Flange requirements

- ASME Class150
- DIN PN 10/ 16/ 25
- JIS 10K/ 16K/ 20K
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• Standard

- Basic Design to API 609
- Inspection & testing according to API 598/ISO 5208
- PED 97/23/EC; ISO 9001

• Material.

CF8M/CF8/WCB

• Pressure Rating

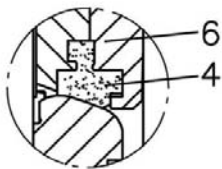
Class 150 / PN10, 16, 25

• Body Rating

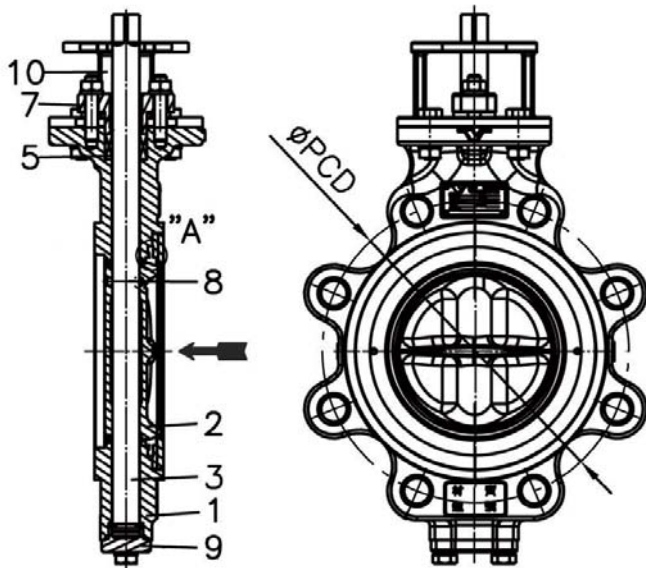
PN25

• Size

2" ~ 24"



DETAIL "A"



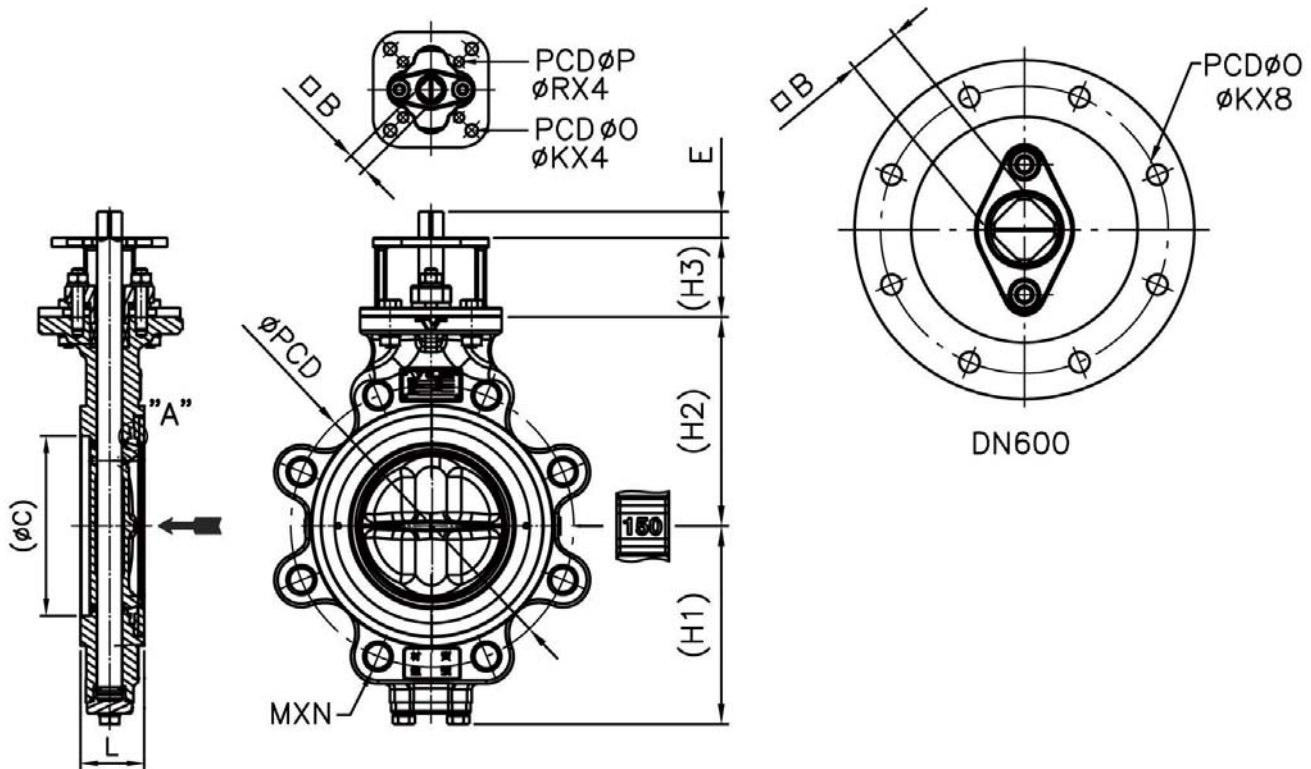
• Design feature

- Valves are high performance with offset seat and double eccentric disc design
- Valves seat are designed for full pressure, and bi-directional sealing
- Integral ISO 5211 mounting pad easy for automation
- One-piece shaft design equipped with blow-out proof and anti-static devices
- Patented seat retainer ring fixed without bolts and offering complete uninterrupted seal face
- Valves has integral body stop to prevent over travel
- DIN EN10204-3.1 certificate available

Materials List:

No.	Parts Name	JIS	ASTM	Remark
1	Body	SCS13	A351 CF8	
		SCS14	A351 CF8M	
		SC480	A216 WCB	
2	Disc	SCS13	A351 CF8	
		SCS14	A351 CF8M	
3	Seat	SUS316	A240 Gr.316	
4	Gland Packing	Graphite		
5	Retainer	SCS13	A351 CF8	
		SCS14	A351 CF8M	
6	Stem	SUS13	A182 F304	
		SUS14	A182 F316	
			A479 XM-19 A536 630	
7	Gland	SCS14	A351 CF8M Same as body	
8	Pin	SUS316	A182 F316	
9	Bottom Cover	SCS14	A351 CF8M	
10	Yoke		A216 WCB	
			A536 65-45-12	

Double Eccentric High Performance Butterfly Valves, Lug Type, Metal Seated Model 82M-L



DIMENSIONS LIST:

Valve Size		L	C	H1	H2	H3	B	O	K	P	R	E	Cv	Weight kg	ASME Class 150		BS10 Table E	
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20"	500	127	510	399	430	120	46	165	22	140	18	56	13800	265	635	1-1/8"-8UNCx20	641.4	7/8"-9UNCx16
24"	600	154	610	455	490	150	46	256	18			56	22500	486	749.3	1-1/4"-8UNCx20	755.7	1-1/8"-8UNCx16

Double Eccentric High Performance Butterfly Valves, Wafer Type, Metal Seated Model 82M-W

- **Flange requirements**

- ASME Class150
- DIN PN 10/ 16/ 25
- JIS 10K/ 16K/ 20K
- Others may be available upon request

- **Standard**

- Basic Design to API 609
- Inspection & testing according to API 598/ISO 5208
- PED 97/23/EC; ISO 9001

- **Material.**

CF8M/CF8/WCB

- **Pressure Rating**

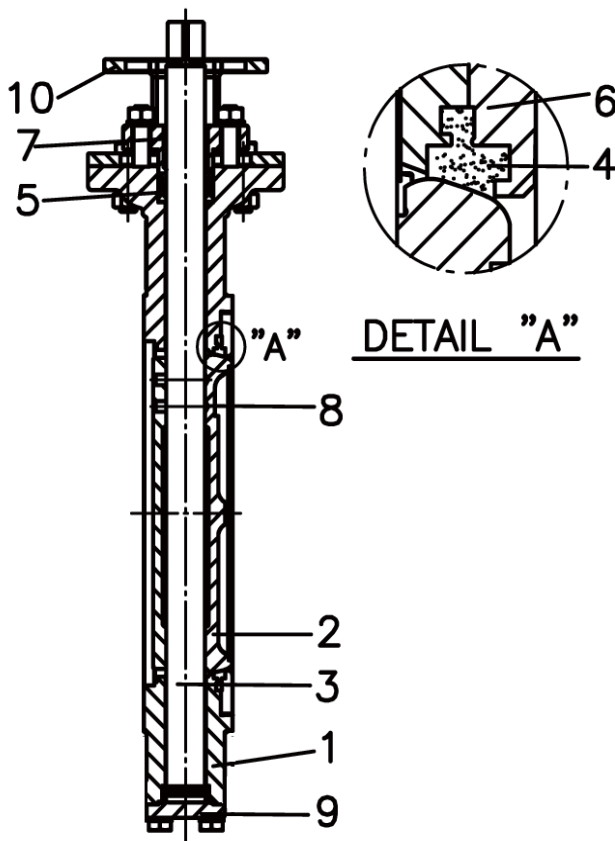
Class 150 / PN10, 16, 25

- **Body Rating**

PN25

- **Size**

2" ~ 24"



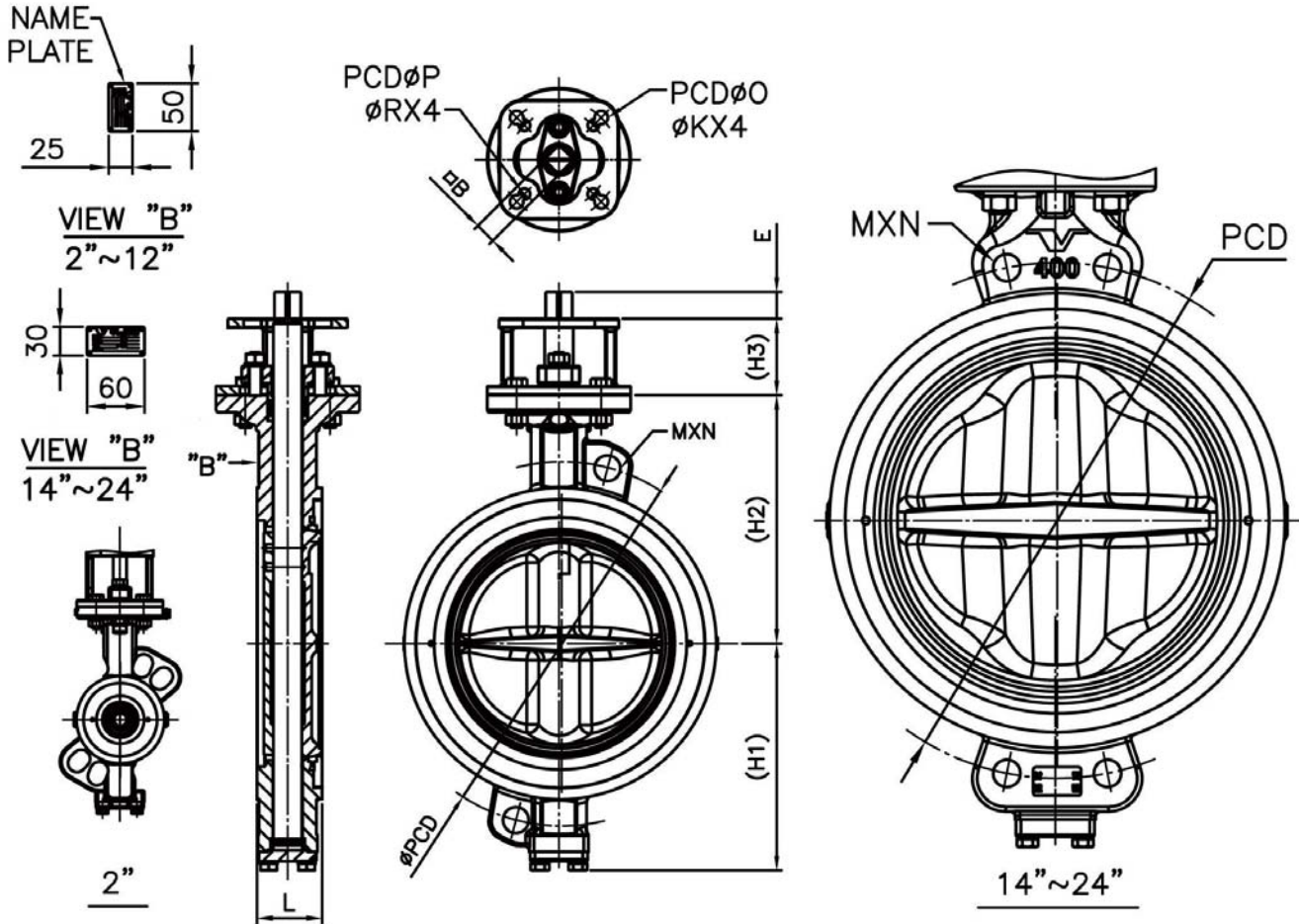
- **Design feature**

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- One-piece shaft design equipped with blow-out proof and anti-static devices
- Patented seat retainer ring fixed without bolts and offering complete uninterrupted seal face
- Valves has integral body stop to prevent over travel
- DIN EN10204-3.1 certificate available

Materials List:

No.	Parts Name	JIS	ASTM	Remark
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		SCS14	A351 CF8M	
		SC480	A216 WCB	
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		SCS14	A351 CF8M	
3	Seat	SUS316	A240 Gr.316	
4	Gland Packing	Graphite		
5	Retainer	SCS13	A351 CF8	
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6	Stem	SUS13	A182 F304	
		SUS14	A182 F316	
			A479 XM-19	
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7	Gland	SCS14	A351 CF8M Same as body	
8	Pin	SUS316	A182 F316	
9	Bottom Cover	SCS14	A351 CF8M	
10	Yoke		A216 WCB	
			A536 65-45-12	

Double Eccentric High Performance Butterfly Valves, Wafer Type, Metal Seated Model 82M-W



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Double Eccentric High Performance Butterfly Valves, Wafer Type Model 82-W

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- **Material.**

CF8M/CF8/WCB

- **Body Rating**

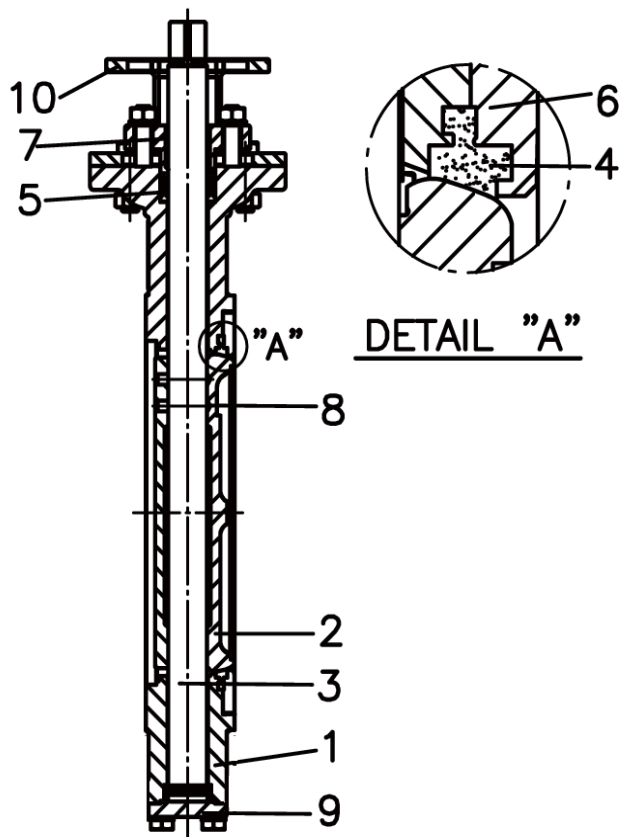
PN25

- **Size**

2" ~ 24"

- **Temperature Range**

-25°F ~ 400°F (R.PTFE)



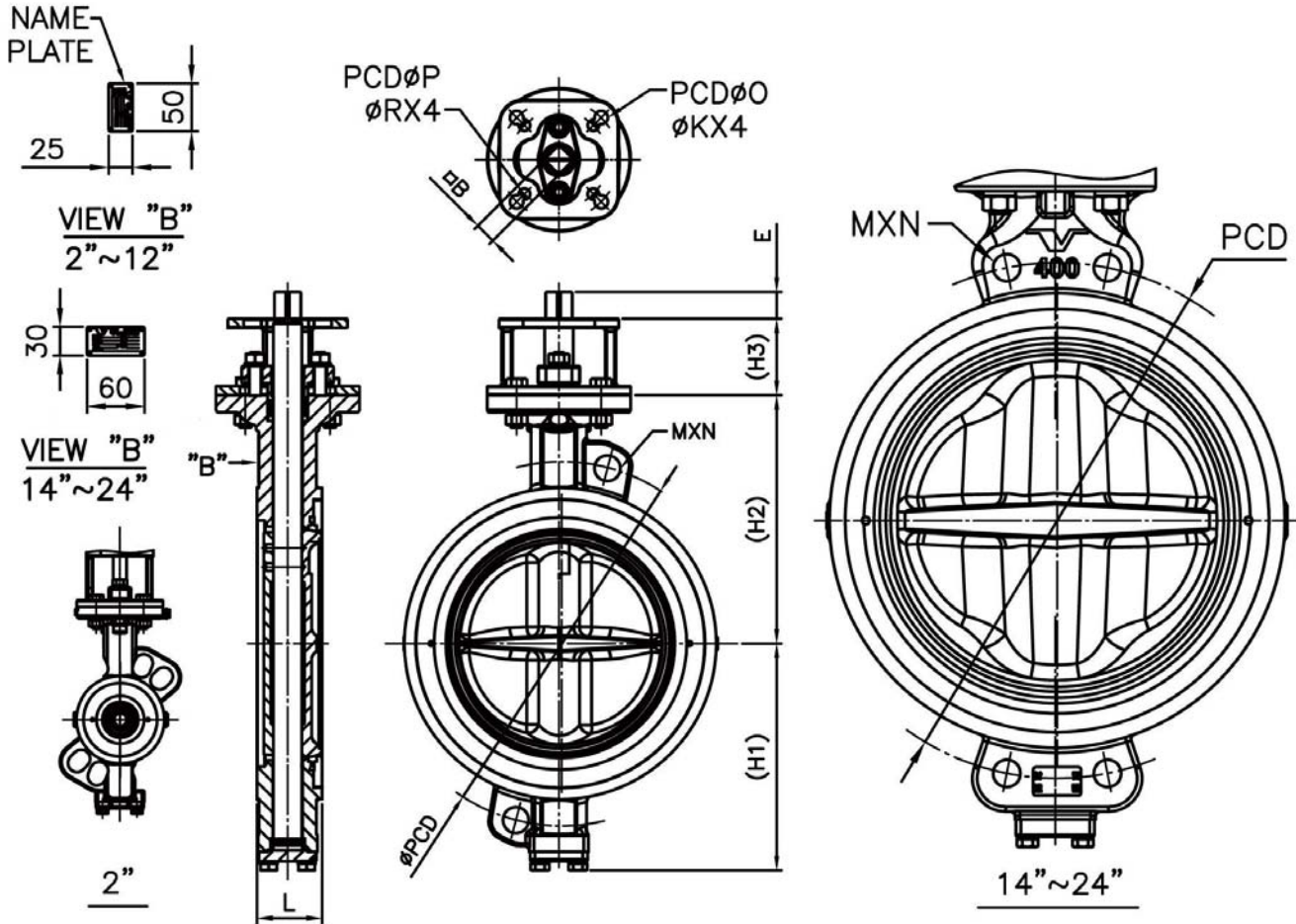
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		PTFE/Graphite Composite		0~210°C
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