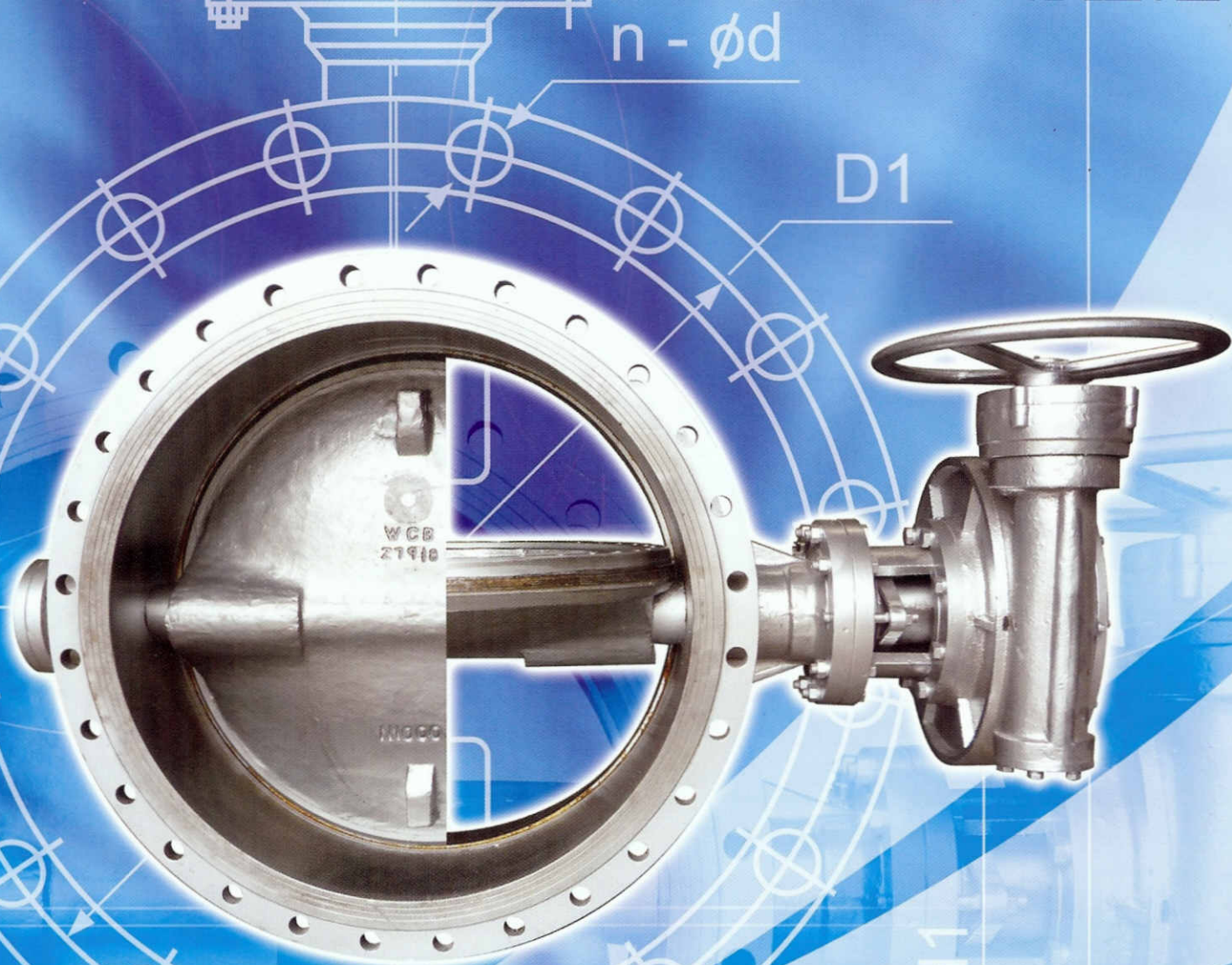


SVN

HIGH PERFORMANCE BUTTERFLY VALVE



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Product Introduction

The double flanged triple eccentric type metal seated butterfly valve is new-developed product line with the advanced technique. It can be applied in the pipelines of petroleum processing, chemicals, power station, metallurgy and heating system as the throttling-off or flow control equipments.

Features



- Small in size and light in weight, easily operating.
- The advanced structure of triple-eccentric slope tangency can provide the zero-leakage performance.
- The operating torque is small. Non-friction contact can provide a long service.
- The different material selections of body and wave shaped metallic sealing ring can meet the requirements of the different applications.
- The perfect slope tangency design provides a uniform sealing contact.

MODEL : D373 H-10C

Technical Data

Nominal Diameter		50-600			700-1000		1200-2000		mm
Nominal Pressure		1.0	1.6	2.5	1.0	1.6	0.25	0.6	MPa
Testing Pressure	Sealing	1.1	1.76	2.75	1.1	1.76	0.275	0.7	
	Shell	1.5	2.4	3.75	1.5	2.4	0.375	0.9	
Working Temperature		-25 ~ +350℃							
Suitable Mediums		Air, Water, Steam, Oils, Gas, Acids, Alkalis, Salts, Etc.							
Leakaging Rate		In accordance with the standard of JB/T 8527-97 (Metal Seated Butterfly Valves). Zero leakage products are available upon requirements.							



Model : D373 H-10CG



Model : D373 H-10CN



Model : D373 H-10CE

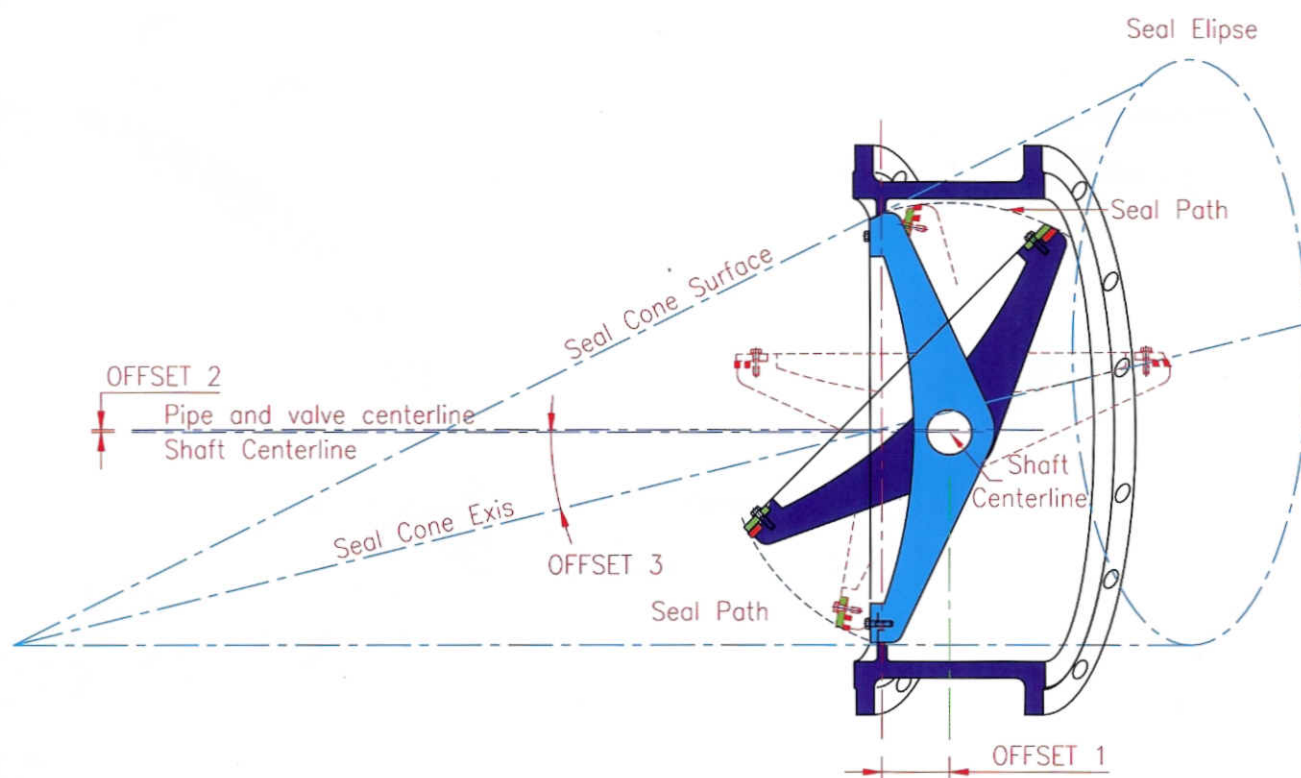


Model : D373 H-10CAE

■ Applicable Standards

1. The technical conditions for manufacture, test and inspection are conforming to JB/T8527-97- (Metal Seated Butterfly Valves)
2. The face to face dimension are conforming to the standard of double flanged short series of GB12221-89- (The Face to Face Dimension of Metallic Valves with Flange Ends)
3. The flange connection is conforming to PN 0.25 MPa; PN 0.6 Mpa; PN 1.0 Mpa; PN 1.6 MPa and PN 2.5 MPa in GB9115.6~10~88- (The National Standard of Steel Pipe Flanges)

■ Feature of Structure



The regular high-performance metal seated butterfly valves usually apply the double-eccentric design, as shown in 1 and 2 of the sketch, i.e. the shaft is eccentric with the centerline of flanges and the centerline of sealing surface, the triple-eccentric metal seated butterfly valves apply and additional slope tangency on the

sealing contact as shown is 3, which can provide a perfect non-friction contact on the trim when operating, this greatly extends the service life of the valves, The contact-type sealing is applied instead of the negative allowance seling, minimizes the operating torque extends the service life effectively.

■ Materials of Main Parts

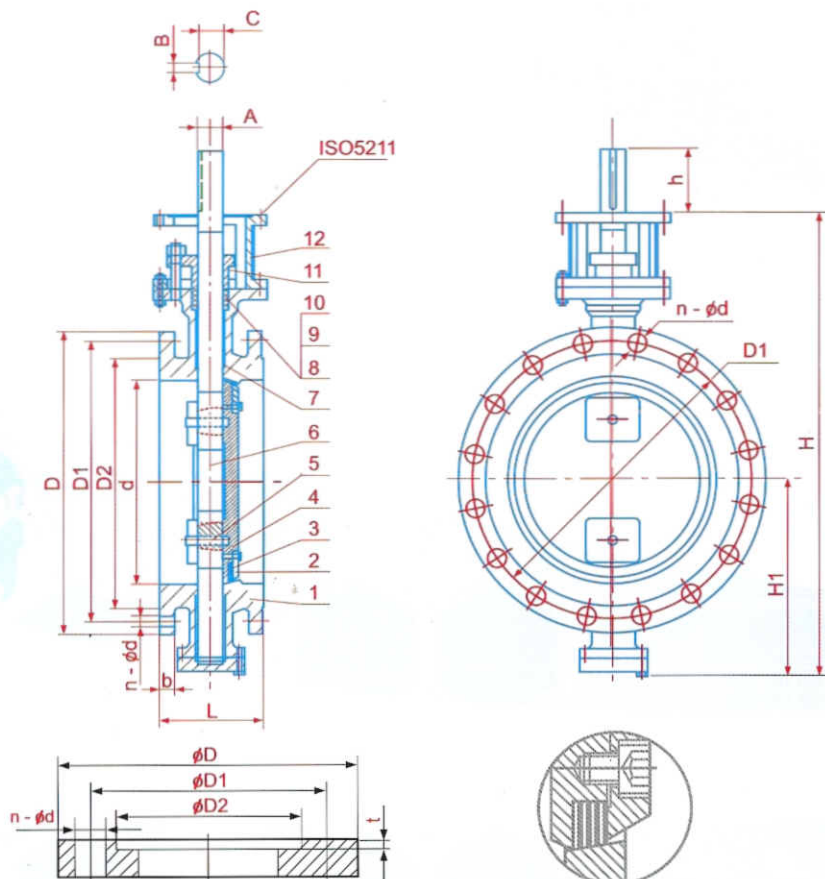
Body	Disc	Shaft	Disc Sealing Ring	Bushing	Packing
Carbon Steel ASTM A-216 WCB	Carbon Steel ASTM A-216 WCB	Stainless Steel SUS 410	Compound with SUS304 & Graphite	Bonze BC 6	Graphite

MODEL : D373 H-10C

SPECIFICATIONS

Size	Dimension mm													Torque
DN	L	D	D1	D2	N - OD	b	H1	H	A	B	C	h	ISO5211	N.M
50	108	165	125	99	4-018	20	120	325	18	6	14.5	55	F05	30
80	114	200	160	132	8-018	20	135	345	18	6	14.5	55	F05	70
100	127	220	180	156	8-018	22	155	365	18	6	14.5	55	F05	100
125	140	250	210	184	8-018	22	160	455	20	6	16.5	55	F07	140
150	140	285	240	211	8-022	24	185	484	24	8	20	80	F10	220
200	152	340	295	266	8-022	24	210	550	30	8	26	80	F12	450
250	165	395	350	319	12-022	26	245	610	35	10	30	80	F12	650
300	178	445	400	370	12-022	26	290	750	45	14	39.5	100	F14	1000
350	190	505	460	429	16-022	26	320	837	45	14	39.5	100	F14	1300
400	216	565	515	480	16-026	26	350	880	50	14	44.5	110	F14	2000
450	222	615	565	530	20-026	28	382	935	55	16	49	110	F16	2700
500	229	670	620	582	20-026	28	410	1010	58	16	52	110	F16	3500
600	267	780	725	682	20-030	34	485	1190	66	20	58.8	135	F25	5360
700	292	895	840	794	24-030	34	550	1310	72	20	64.5	145	F25	8000
800	318	1015	970	901	24-033	36	610	1460	82	22	73	145	F30	11100
900	330	1115	1050	1001	28-033	38	645	1500	92	25	83	145	F30	14900
1000	415	1230	1160	1120	28-036	38	725	1700	102	28	92	190	F35	22700
1200	470	1455	1380	1320	32-039	44	845	1920	130	32	119	200	F35	33200
1400	530	1675	1590	1530	36-042	48	950	2170	140	36	128	200	F40	49700
1600	600	1915	1820	1750	40-048	52	1075	2350	160	40	147	200	F40	71300
1800	670	2115	2020	1930	44-048	56	1195	3040	180	45	165	200	F48	97500
2000	760	2325	2230	2150	48-048	60	1330	3250	210	50	191	200	F48	129800

Remark : Flange BS 4504 PN 10



ISO5211 Dimension (mm)					
	D	D1	D2	n-ød	t
F25	300	254	200	8-18	6
F30	350	298	230	8-022	6
F35	415	356	260	8-033	6
F40	475	406	300	8-039	9
F45	560	483	370	12-039	9

MATERIAL PARTS

Triple Offset Butterfly Valve PN10z		
No.	Name	Material
1	Body	ASTM A216 WCB
2	Gland	A105
3	Seat	Compound with SUS304 and Graphite
4	Disc	ASTM A216 WCB
5	PIN	9260
6	Stem	SS410
7	Bushing	H62
8	Packing	Graphite
9	Packing Cover	ASTM A216 WCB
10	Stud Bolts	A193 B7
11	Nuts	A194 2H
12	York	ASTM A216 WCB