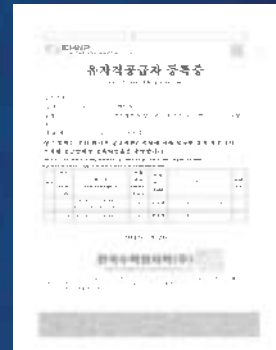




Contact point

office	+82-51-989-0101
fax	+82-70-4850-8388
email	sales@limanntech.com
whatsapp	+82-10-2746-2125

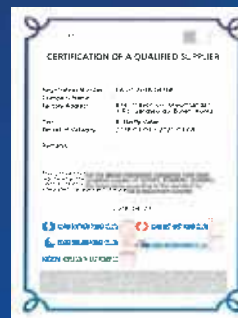
Qualification to Nuclear Service



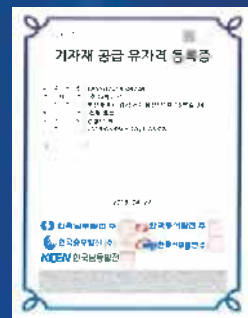
Registration to KHNP⁽²⁾

KHNP⁽²⁾ Korean Hydro & Nuclear Power Co., Ltd.

Registration to 5 Major Korean Power Companies



5 Major Korean Power Companies



5 Major Korean Power Companies

Function & Commercial Registrations



BUTTERFLY VALVE FIRE TEST (Triple Offset)



DUAL PLATE CHECK VALVE FIRE TEST (TEFLON & RUBBER)



Trade Mark:TRISEAL
Utility Model Reg.

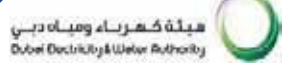
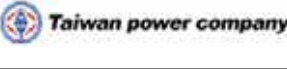
MAJOR CLIENTS

DOMESTIC

 Doosan Heavy Industries & Construction	 Doosan Engin	 SAMSUNG ENGINEERING	
 HYUNDAI HEAVY INDUSTRIES CO.,LTD.	 HYUNDAI ENGINEERING & CONSTRUCTION	 HYUNDAI ENGINEERING	
 POSCO E&C	 POSCO ICT	 LOTTE ENGINEERING & CONSTRUCTION	
 DAE LIM	 POSCO ENGINEERING	 SK E&C	
 HYOSUNG Power & Industrial Systems Performance Group	 HYOSUNG EBARA	 HYUNDAI Rotem	
 POSCO	 S-OIL	 wp	
 KINP EXPORT BUSINESS GROUP	 KOSPO	 KORPO	 KOSEP

OVERSEAS



 1	 2	 3	 4	 4
 5	 5	 5	 5	 5
 5	 6	 7	 7	
 7	 8	 9	 10	
 11	 12	 12		

HSE Policy Statement (Declaration)

Statement from Ki Jung, Lee
CEO at DKC Co., Ltd.

The long-term business success of DKC Co., Ltd. depends on our ability to continually improve the quality of our services and products while protecting people and the environment. Emphasis must be placed on ensuring human health, operational safety, environmental protection, quality enhancement, and community goodwill. This commitment is in the best interests of our customers, our employees and contractors, our stockholders, and the communities in which we live and work.

DKC Co., Ltd. requires the active commitment to, and accountability for, QHSE from all employees and contractors. Line management has a leadership role in the communication and implementation of, and ensuring compliance with, QHSE policies and standards. We are committed to protect, and strive for improvement of, the health, safety and security of our people at all times.



Eliminate Quality Non-Conformances and HSE accidents;

Meet specified customer requirements and ensure continuous customer satisfaction;

Set Quality & HSE performance objectives, measure results, assess and continually improve processes, services and product quality, through the use of an effective management system;

Plan for, respond to and recover from any emergency, crisis and business disruption;

Minimize our impact on the environment through pollution prevention, reduction of natural resource consumption and emissions, and the reduction and recycling of waste;

Apply our technical skills to all HSE aspects in the design and engineering of our services and products;

Communicate openly with stockholders to ensure understanding of our QHSE policies, standards, programs and performance, and to reward outstanding QHSE performance;

Improve our performance on issues relevant to our stockholders that are of global concern and on which we can have an impact, and share with them our knowledge of successful QHSE programs and initiatives.

This Policy shall be regularly reviewed to ensure ongoing suitability. The commitments listed are in addition to our basic obligation to comply with DKC Co., Ltd. Standard, as well as all applicable laws and regulations where we operate. This is critical to our business success because it allows us to systematically minimize all losses and adds value for all our stockholders.

TRIPLE OFFSET BUTTERFLY VALVE (TRB SERIES)

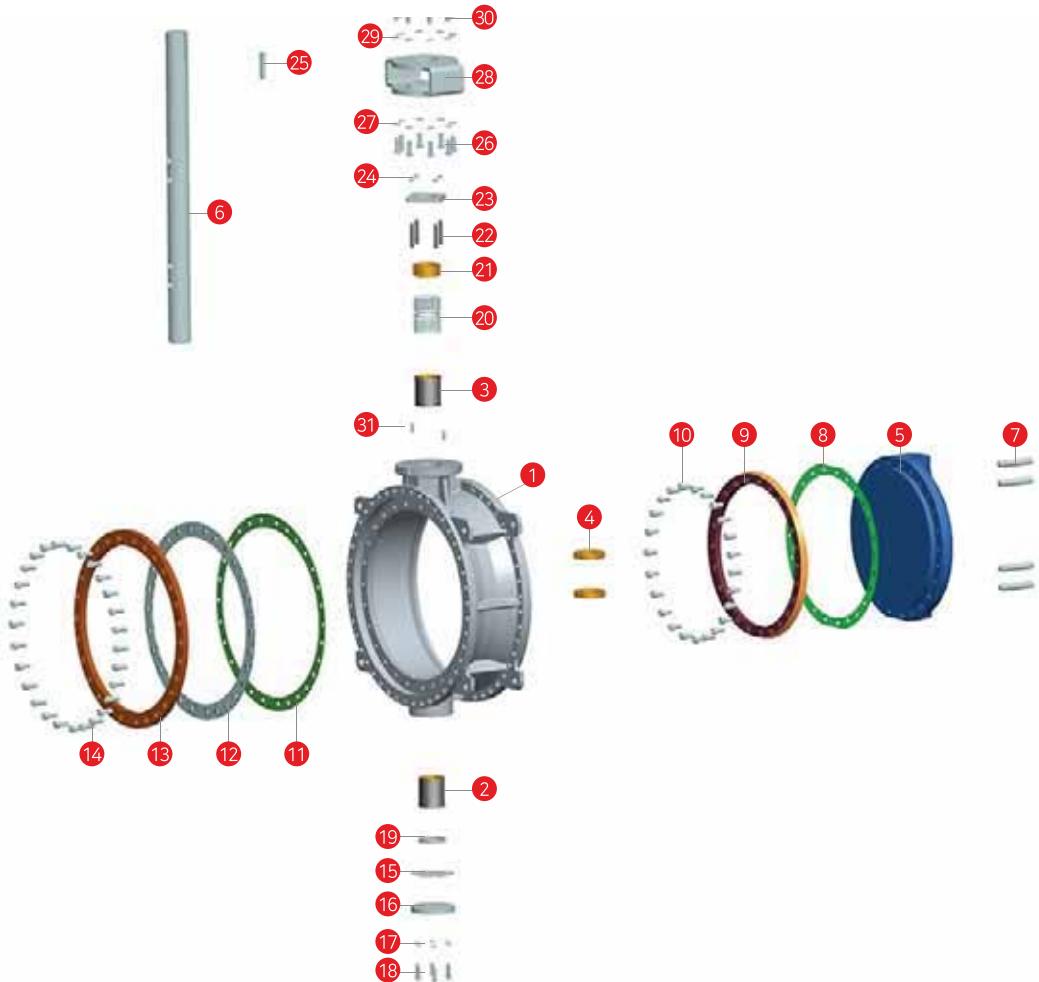


TRIPLE OFFSET 1800A (72")

CONTRACTOR	HYUNDAI ENGINEERING
PROJECT	TONE PJT
END CUSTOMER	TURKMENGAS IN TURKMENISTAN

Range	Application	
Size	3"(80A) ~ 124"(3100A)	
Fluid	Water, Air, Steam, Gas	
Rating	JIS 10K, 20K, 30K, 40K, 63K	
	ANSI 150#, 300#, 600#, 900#	
	PN10, 16, 25, 40	
End Connection	Wafer, Lugged, Flanged	
Temp. Range	-50 ~ 650 °C	
Materials	Body	Cast Steel, Stainless Steel (Ni) Al Bronze, (Super) Duplex S.S etc
	Disc	Stainless Steel, (Ni) Al Bronze (Super) Duplex S.S etc
	Seat	Metal (Laminated) with Graphite

DKC DRAWING AND PART LIST OF TRIPLE OFFSET BUTTERFLY VALVE



No.	Part Name
1	BODY
2	DU BUSH
3	DU BUSH
4	THRUST BEARING
5	DISC
6	SHAFT
7	SHAFT PIN
8	GASKET, DISC SEAT
9	DISC SEAT, FINISH
10	SOCKET HEAD BOLT
11	GASKET, BODY SEAT
12	BODY SEAT
13	BODY SEAT RETAINER
14	SOCKET HEAD BOLT
15	GASKET, END COVER
16	END COVER
17	SPRING WASHER
18	HEX HEAD BOLT
19	PACKING RETAINER
20	GLAND PACKING
21	GRAND BUSH
22	STUD BOLT
23	GLAND FLANGE
24	HEX NUT
25	KEY
26	HEX HEAD BOLT
27	SPRING WASHER
28	BRACKET
29	SPRING WASHER
30	HEX HEAD BOLT
31	BRACKET LOCK PIN

TRIPLE OFFSET BUTTERFLY VALVE (TRB SERIES)

DKC PRINCIPLE OF OPERATION

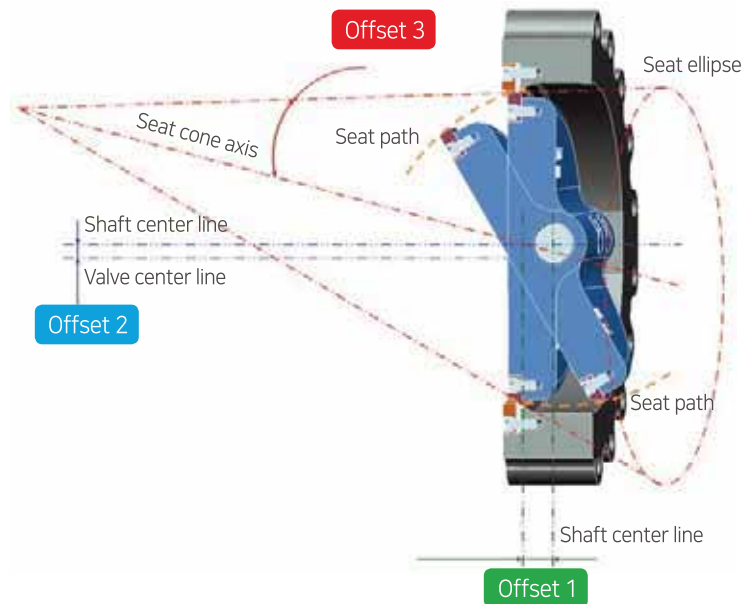
This geometry ensures that disc seat contracts the body seat only at the final shut-off position without rubbing or galling, providing a torque generated resilient seal with sufficient "wedging" to ensure a uniform seal contact

THE TRIPLE OFFSET GEOMETRY

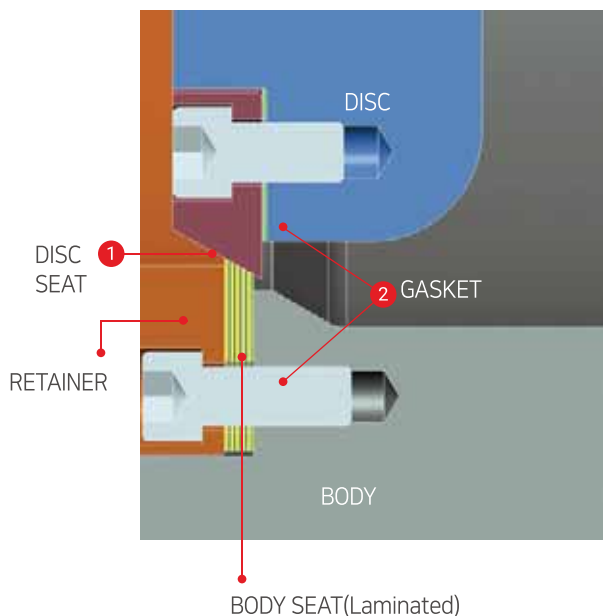
Offset 1 The shaft is offset behind the seat axis to allow complete sealing contact around the entire seat.

Offset 2 The shaft centerline is offset from the pipe and valve which provides interference free opening and to achieve uniform compressive sealing around the entire seat.

Offset 3 The seat cone axis is offset from the shaft centerline to eliminate friction during closing and opening and to achieve uniform compressive sealing around the entire seat.



DKC FRICTION FREE SEALING FOR LONG CYCLE LIFE



THE LAMINATED DISC SEAL

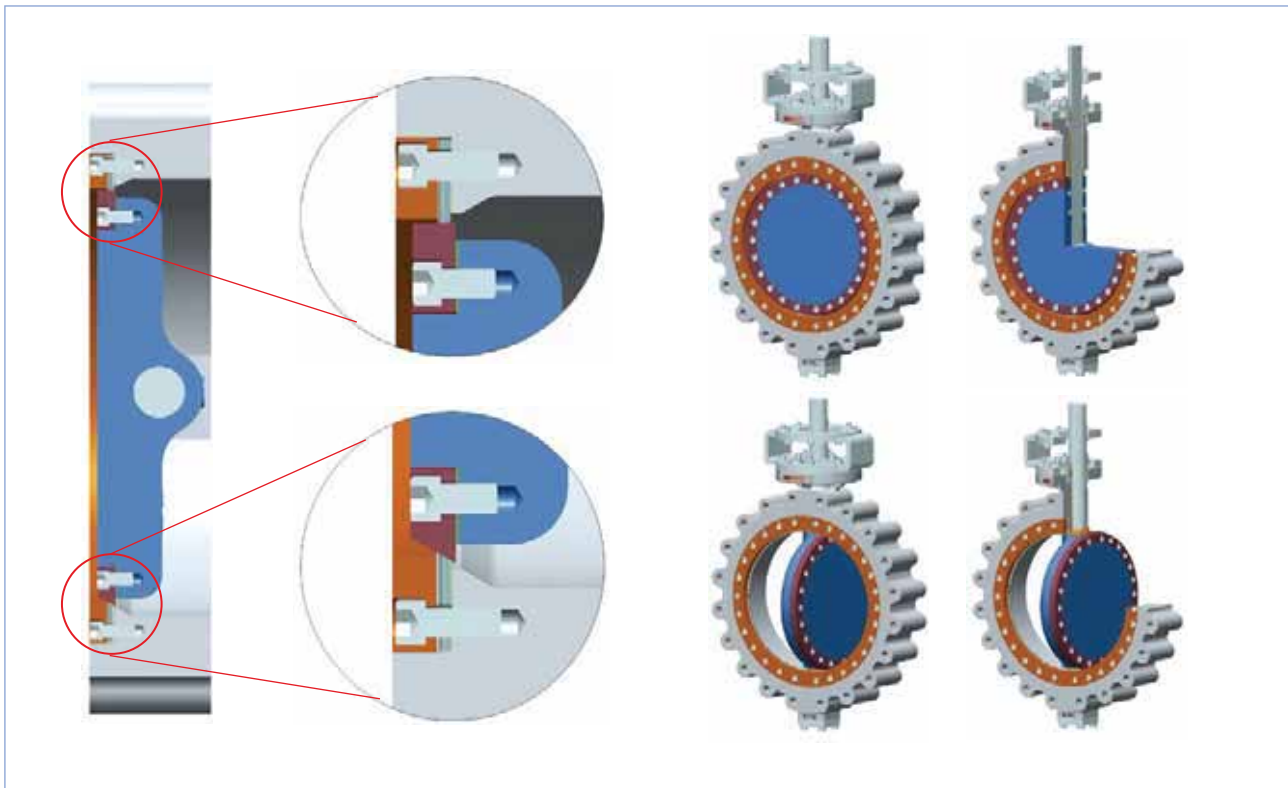
Seating forces are generated by the torque during closing uniformly around the entire circumference. The resilient seal flexes and energizes, the shape of the seat. The compression forces equally distributed around the perimeter provide a tight bidirectional shut off. The resiliency of the seal allows the valve body and disc to contact or expand, without the risk of jamming due to temperature fluctuations. It is self-adjusting.

DKC provides an extra rigid retaining ring with bolting, resulting from ASME stress calculations.

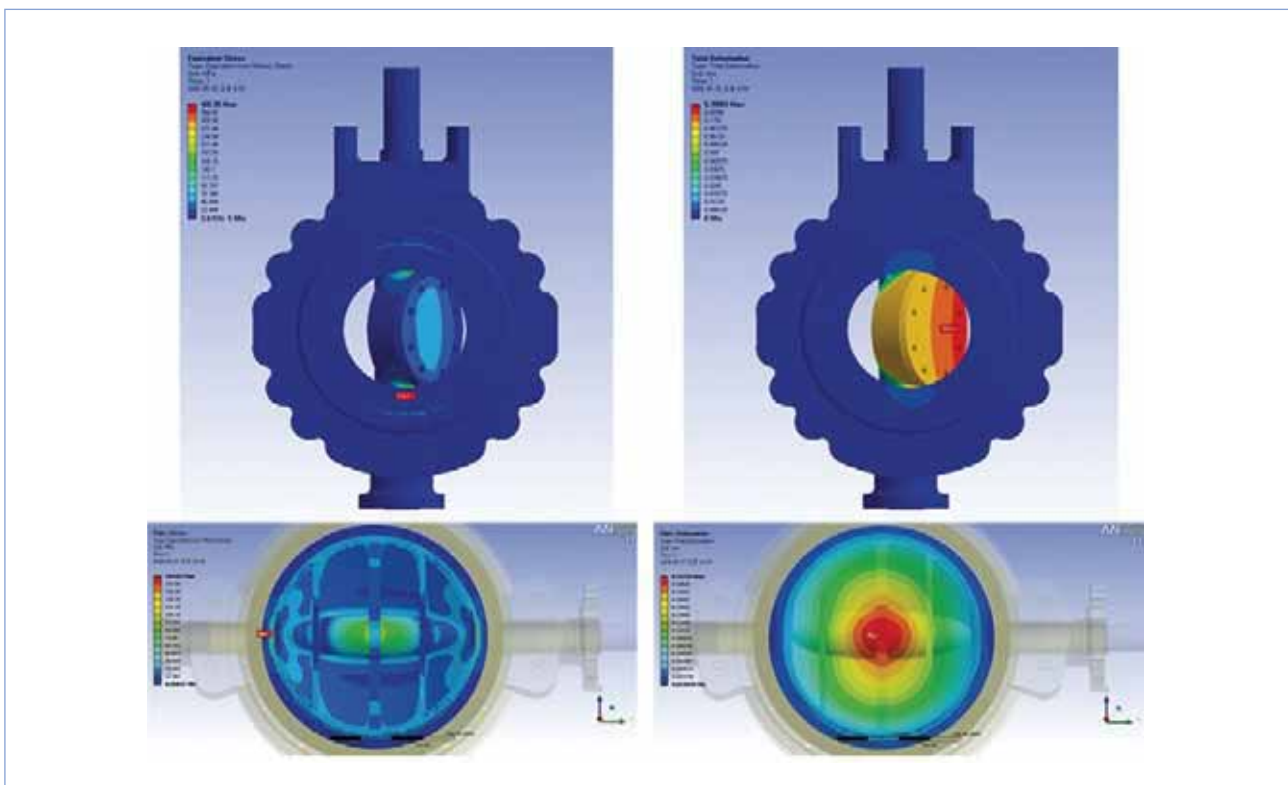
- ① Seat is hardfaced with Stellite as an option.
- ② The gasket is spiral wound SS/Graphite for zero leakage.

TRIPLE OFFSET BUTTERFLY VALVE (TRB SERIES)

Technical Design



Analysis



DKC CO., LTD.

BUTTERFLY VALVES

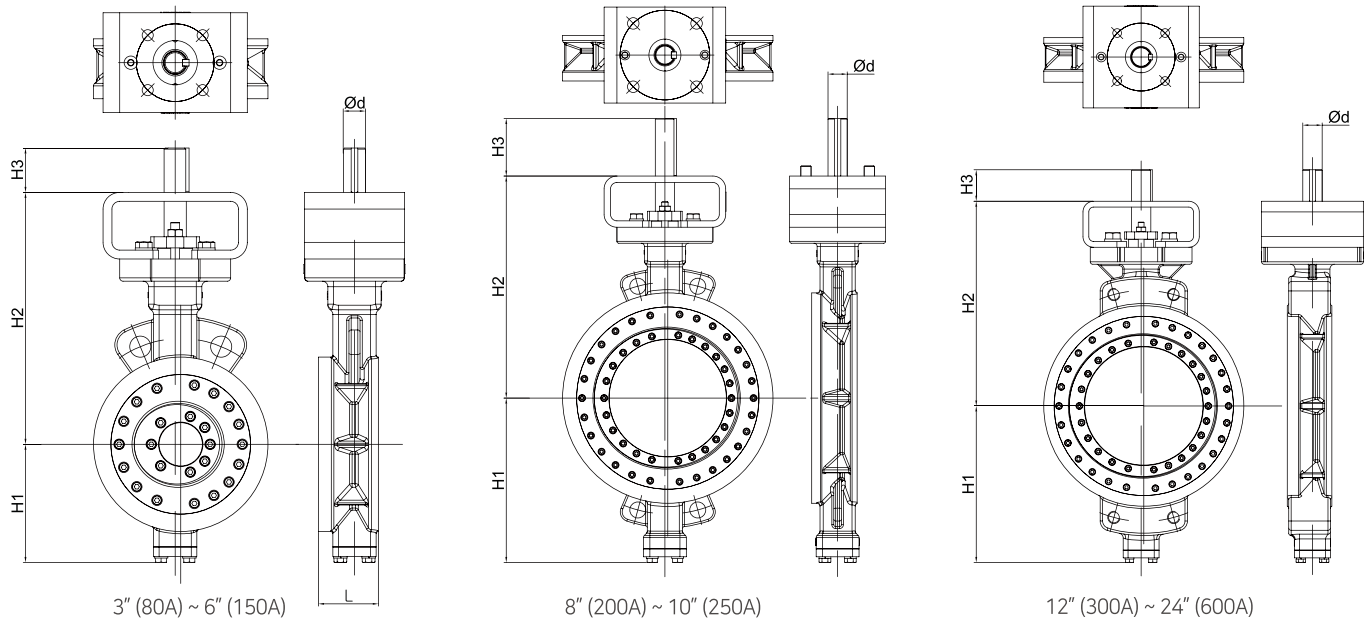
CHECK VALVE

NON RETURN VALVE

SPECIAL VALVE

DIMENSION TABLE FOR TRIPLE OFFSET BUTTERFLY VALVE (TRB SERIES)

WAFER DESIGN



Max. Size : 3000A (120")

Unit : mm

CLASS 150 WAFER TYPE							
VALVE SIZE		H1	H2	H3	L	TOP FLANGE	WEIGHT (kg)
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	ISO 5211	
80	3	127	207	40	48	F-07	20
100	4	107	227	40	54	F-07	20
150	6	135	253	55	57	F-07	20
200	8	223	292	70	64	F-10	45
250	10	257	347	90	71	F-14	57
300	12	298	393	90	81	F-14	85
350	14	323	438	95	92	F-16	133
400	16	360	463	104	102	F-16	186
450	18	380	483	110	114	F-16	213
500	20	412	600	120	127	F-25	334
600	24	478	583	120	154	F-25	455

CLASS 300 WAFER TYPE							
VALVE SIZE		H1	H2	H3	L	TOP FLANGE	WEIGHT (kg)
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	ISO 5211	
80	3	150	217	55	48	F-07	20
100	4	172	240	55	54	F-07	20
150	6	213	283	70	59	F-10	36
200	8	247	328	80	73	F-12	51
250	10	290	412	90	83	F-14	100
300	12	328	450	110	92	F-16	134
350	14	361	483	110	117	F-16	196
400	16	395	520	120	133	F-25	232
450	18	430	560	120	149	F-25	360
500	20	470	600	150	159	F-30	457
600	24	536	728	170	181	F-30	670

CLASS 600 WAFER TYPE							
VALVE SIZE		H1	H2	H3	L	TOP FLANGE	WEIGHT (kg)
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	ISO 5211	
80	-	-	-	-	-	-	-
100	4	181	243	70	64	F-10	28
150	6	221	285	80	78	F-14	65
200	8	293	405	85	102	F-16	92
250	10	340	455	85	117	F-16	134
300	12	365	480	110	140	F-25	224
350	14	365	528	120	155	F-25	285
400	16	410	575	120	178	F-25	455
450	18	445	620	155	200	F-30	555
500	20	485	665	155	216	F-30	694
600	24	555	740	165	232	F-35	1093

CLASS 900 WAFER TYPE							
VALVE SIZE		H1	H2	H3	L	TOP FLANGE	WEIGHT (kg)
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	ISO 5211	
80	-	-	-	-	-	-	-
100	4	181	240	64	80	F-10	39
150	6	238	315	79	104	F-14	89
200	8	281	360	79	112	F-16	134
250	10	358	412	109	135	F-16	224
300	12	383	475	109	170	F-25	298
350	14	419	512	128	173	F-25	376
400	16	455	610	129	210	F-25	570
450	18	503	660	178	228	F-30	691
500	20	550	685	178	250	F-30	905
600	24	656	790	199	275	F-35	1317

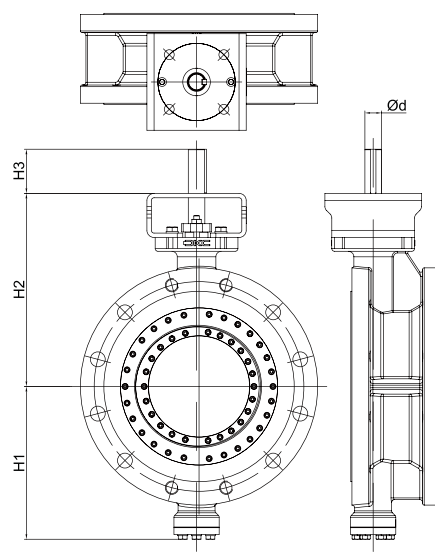
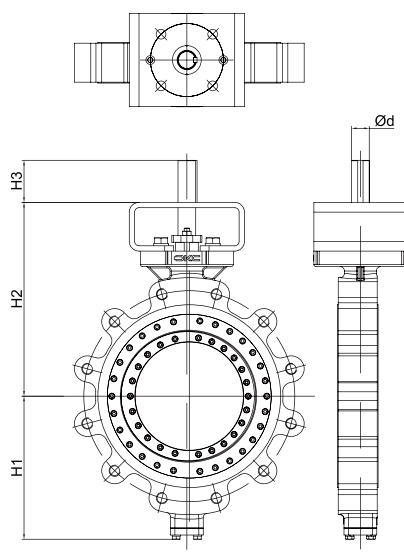
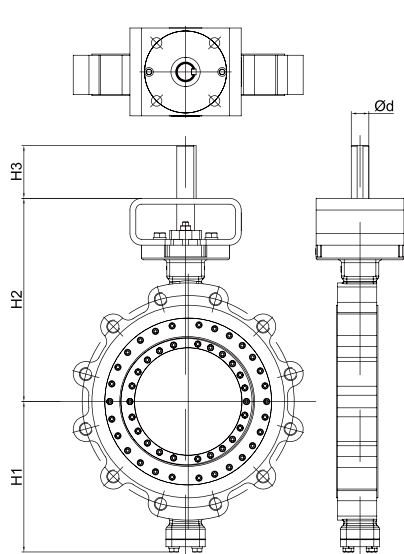
L : Face to Face Dimension

* Please contact sales office for other sizes.

DIMENSION TABLE FOR TRIPLE OFFSET BUTTERFLY VALVE (TRB SERIES)

 LUG DESIGN

 FLANGE DESIGN



Max. Size : 3000A (120")

Unit : mm

CLASS 150 LUG AND FLANGE TYPE									
VALVE SIZE		H1.	H2.	H3.	L		TOP FLANGE	WEIGHT (kg)	
mm	inch				LUG	FLANGE		LUG	FLANGE
80	3	130	207	40	48	114	F-07	21	32
100	4	150	227	40	54	127	F-07	21	37
150	6	175	253	55	57	140	F-07	22	48
200	8	223	292	70	64	152	F-10	47	89
250	10	257	347	90	71	165	F-14	61	112
300	12	298	393	90	81	178	F-14	91	161
350	14	323	438	95	92	190	F-16	142	228
400	16	360	463	104	102	216	F-16	199	303
450	18	380	483	110	114	222	F-16	229	364
500	20	412	600	120	127	229	F-25	364	499
600	24	478	583	120	154	267	F-25	492	699

CLASS 600 LUG AND FLANGE TYPE									
VALVE SIZE		H1.	H2.	H3.	L		TOP FLANGE	WEIGHT (kg)	
mm	inch				LUG	FLANGE		LUG	FLANGE
100	4	181	243	70	64	190	F-10	30	69
150	6	221	285	80	78	210	F-14	72	135
200	8	293	405	85	102	230	F-16	102	162
250	10	340	455	85	117	250	F-16	187	268
300	12	365	480	110	140	270	F-25	259	364
350	14	365	528	120	155	290	F-25	329	369
400	16	410	575	120	178	310	F-25	520	632
450	18	445	620	155	200	330	F-30	635	739
500	20	485	665	155	216	350	F-30	804	879
600	24	555	740	165	232	390	F-35	1243	1423

CLASS 300 LUG AND FLANGE TYPE									
VALVE SIZE		H1.	H2.	H3.	L		TOP FLANGE	WEIGHT (kg)	
mm	inch				LUG	FLANGE		LUG	FLANGE
80	3	150	217	55	48	114	F-07	21	36
100	4	172	240	55	54	127	F-07	21	46
150	6	213	283	70	59	140	F-10	39	76
200	8	247	328	80	73	152	F-12	56	93
250	10	290	412	90	83	165	F-14	112	164
300	12	328	450	110	92	178	F-16	150	222
350	14	361	483	110	117	190	F-16	229	298
400	16	395	520	120	133	216	F-25	277	357
450	18	430	560	120	149	222	F-25	433	499
500	20	470	600	150	159	229	F-30	549	621
600	24	536	728	170	181	267	F-30	805	916

CLASS 900 LUG AND FLANGE TYPE									
VALVE SIZE		H1.	H2.	H3.	L		TOP FLANGE	WEIGHT (kg)	
mm	inch				LUG	FLANGE		LUG	FLANGE
100	4	181	240	64	80	235	F-10	43	93
150	6	238	315	79	104	250	F-14	100	184
200	8	281	360	79	112	310	F-16	151	256
250	10	358	412	109	135	350	F-16	256	425
300	12	383	475	109	170	380	F-25	352	496
350	14	419	512	128	173	400	F-25	440	656
400	16	455	610	129	210	430	F-25	663	834
450	18	503	660	178	228	460	F-30	824	1044
500	20	550	685	178	250	490	F-30	1069	1273
600	24	656	790	199	275	530	F-35	1704	2506

L : Face to Face Dimension
* Please contact sales office for other sizes.

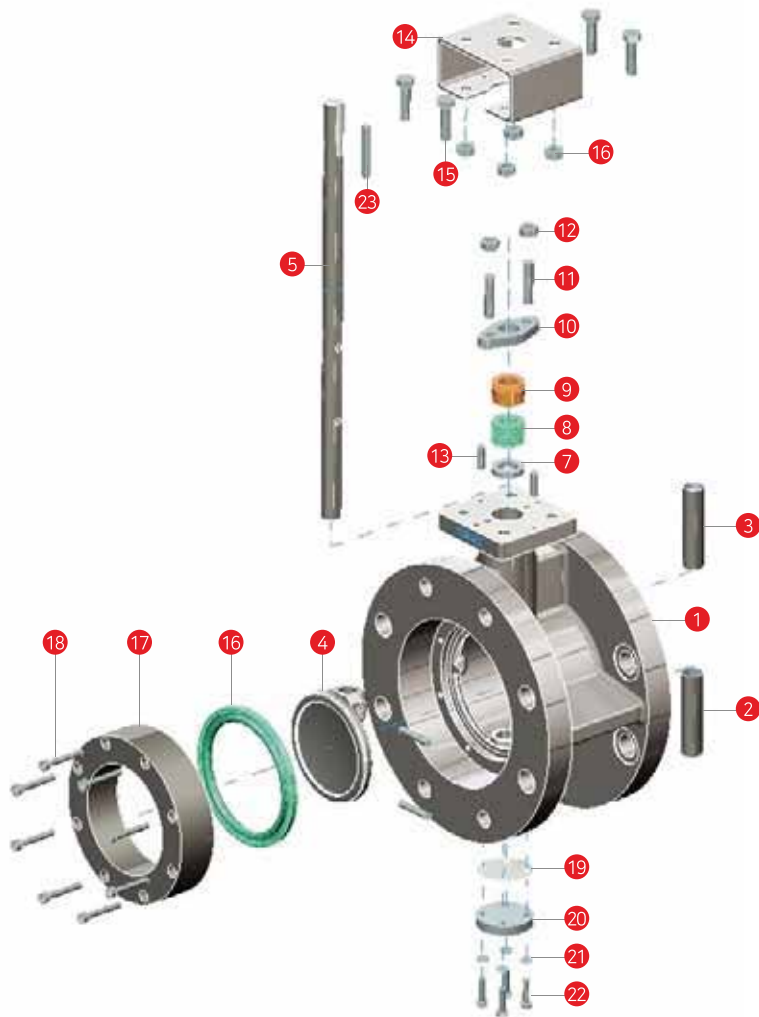
ECCENTRIC BUTTERFLY VALVE (HIGH-PERFORMANCE TYPE) (HPB SERIES)



CONTRACTOR	DOOSAN HEAVY IND.
PROJECT	SHUWEIHAT S2 PJT
END CUSTOMER	ADWEA IN UAE

Range	Application
Size	2"(50A) ~ 80"(2000A)
Fluid	Water, Air, Steam, Gas
Rating	JIS 10K, 20K, PN10, 16, 25 ANSI 150#, 300#
End Connection	Wafer, Lugged, Flanged
Temp. Range	-40 ~ 230 °C
Materials	Body Ductile Iron, Cast Steel, Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc.
	Disc Cast Steel, Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc.
	Seat PTFE, RTFE (with Metal for Fire Safety)

DKC DRAWING AND PART LIST OF ECCENTRIC BUTTERFLY VALVE



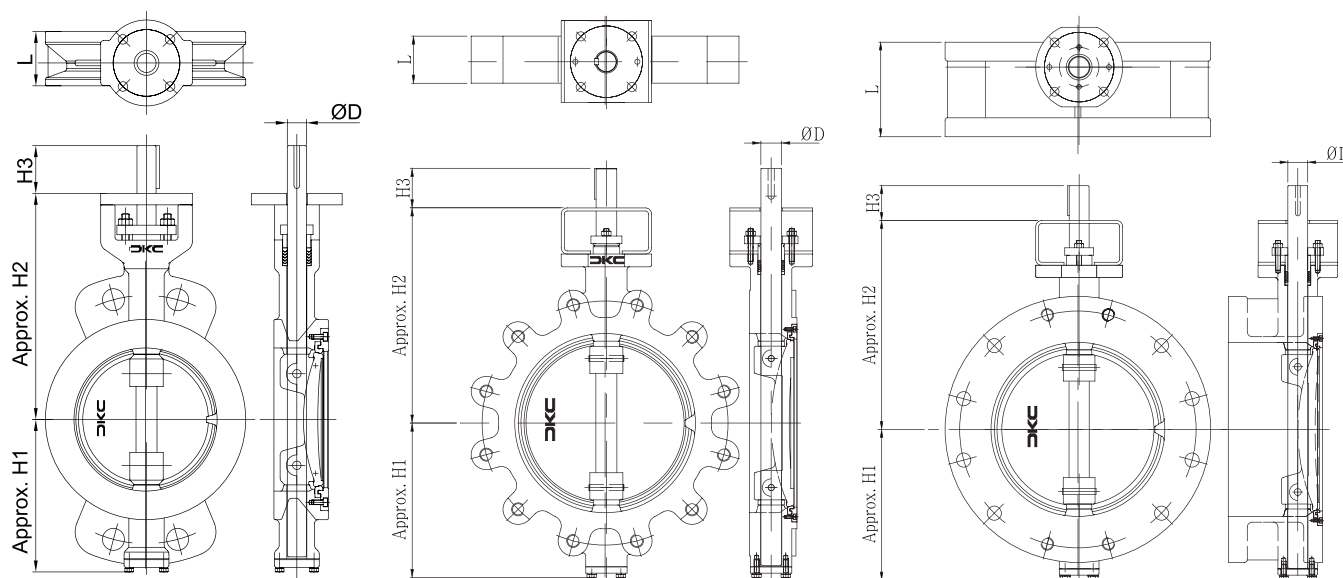
No.	Part Name
1	BODY
2	LOWER BUSH
3	UPPER BUSH
4	DISC
5	SHAFT
6	DISC PIN
7	PACKING RETAINER
8	PACKING
9	GLAND BUSH
10	GLAND FLANGE
11	GLAND BOLT
12	GLAND NUT
13	BRACKET LOCK PIN
14	BRACKET
15	BRACKET BOLT
16	SEAT
17	RETAINER
18	RETAINER BOLT
19	GASKET_END COVER
20	END COVER
21	WASHER_END COVER
22	COVER BOLT
23	KEY

DIMENSION TABLE FOR ECCENTRIC BUTTERFLY VALVE 150LB (HPB SERIES)

□ Wafer

□ Lugged

□ Flanged



Max. Size : 2000A (80")

Unit : mm

VALVE SIZE		H1	H2	H3	L			ØD	TOP	WEIGHT (kg)		
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	LUGGED	FLANGE		FLANGE	WAFER	LUGGED	FLANGE
50	2	66	155	50	43	43	108	14	F07	4	5	9
65	2 1/2	75	167	50	46	46	112	14	F07	5	7	12
80	3	85	177	50	48	48	114	16	F07	5.5	8	14
100	4	95	193	50	54	54	127	16	F07	6	10	17
125	5	110	218	50	57	57	140	20	F07	10	14	23
150	6	126	237	75	57	57	140	20	F07	13	18	29
200	8	197	295	75	64	64	152	25	F10	19	24	40
250	10	237	337	75	71	71	165	28	F10	33	42	58
300	12	264	360	75	81	81	178	32	F10	42	56	74
350	14	305	430	75	92	92	190	40	F14	61	90	98
400	16	346	460	75	102	102	216	45	F14	90	125	145
450	18	372	505	80	114	114	222	50	F14	144	180	205
500	20	415	565	90	127	127	229	55	F16	160	226	280
600	24	471	635	100	154	154	267	65	F20	284	310	430
700	28	554	750	120	165	165	292	75	F20	385	440	560
800	32	614	795	120	190	190	318	90	F25	605	690	880
900	36	670	840	130	203	203	330	95	F30	860	1100	1250
1000	40	735	960	130	216	216	410	105	F30	1180	1450	1600
1100	44	766	1050	150	240	240	410	120	F35	1460	1690	1970
1200	48	798	1120	150	254	254	470	135	F35	1800	2100	2450

L : Face to Face Dimension

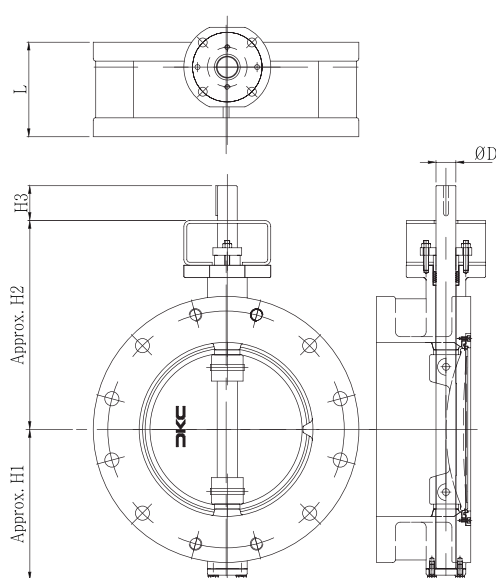
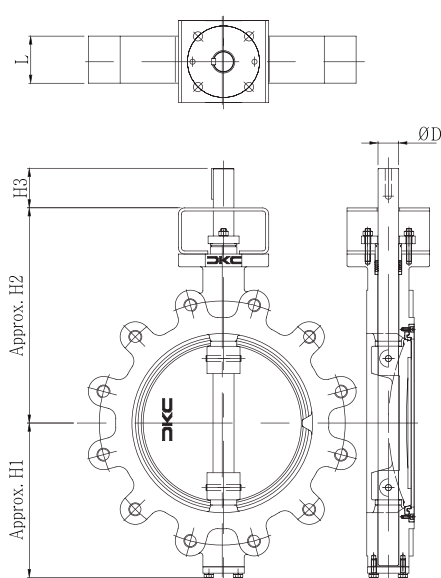
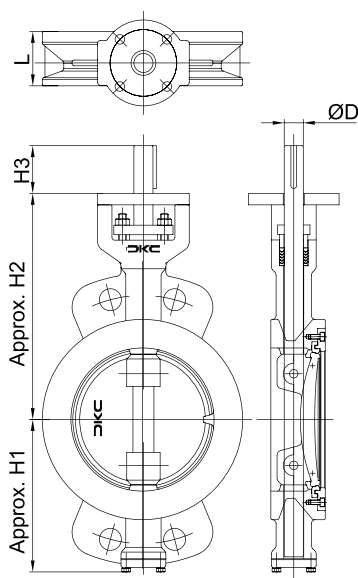
* Please contact the sales office for other sizes.

DIMENSION TABLE FOR DOUBLE ECCENTRIC BUTTERFLY VALVE 300LB (HPB SERIES)

Wafer

Lugged

Flanged



Max. Size : 2000A (80")

Unit : mm

VALVE SIZE		H1	H2	H3	L			ØD	TOP	WEIGHT (kg)		
mm	inch	APPROX.	APPROX.	APPROX.	WAFER	LUGGED	FLANGE		FLANGE	WAFER	LUGGED	FLANGE
80	3	87	202	65	48	48	114	18	F07	7	11	16
100	4	150	215	65	54	54	127	20	F07	9	14	20
125	5	158	242	65	57	57	140	25	F07	14	21	27
150	6	172	245	65	59	59	140	25	F07	18	26	34
200	8	202	335	75	73	73	152	30	F10	25	36	45
250	10	230	385	75	83	83	165	40	F10	42	61	65
300	12	304	425	75	92	92	178	45	F10	53	78	83
350	14	310	502	85	117	117	190	50	F14	77	100	115
400	16	340	510	85	133	133	216	55	F14	112	145	165
450	18	404	560	85	149	149	222	65	F14	160	190	230
500	20	441	605	100	159	159	229	75	F16	185	210	320
600	24	515	640	120	181	181	267	75	F20	290	330	480
700	28	560	670	125	-	-	292	90	F20	-	-	630
800	32	645	740	125	-	-	318	90	F25	-	-	980
900	36	710	508	150	-	-	330	95	F30	-	-	1400
1000	40	770	870	150	-	-	410	105	F30	-	-	1800
1100	44	835	930	150	-	-	410	120	F35	-	-	2200
1200	48	895	995	150	-	-	470	135	F35	-	-	2750

L : Face to Face Dimension

* Please contact sales office for other sizes.

DKC CO., LTD.

BUTTERFLY VALVES

CHECK VALVE

NON RETURN VALVE

SPECIAL VALVE

ECCENTRIC BUTTERFLY VALVE (WATER WORKS) (SEB SERIES)

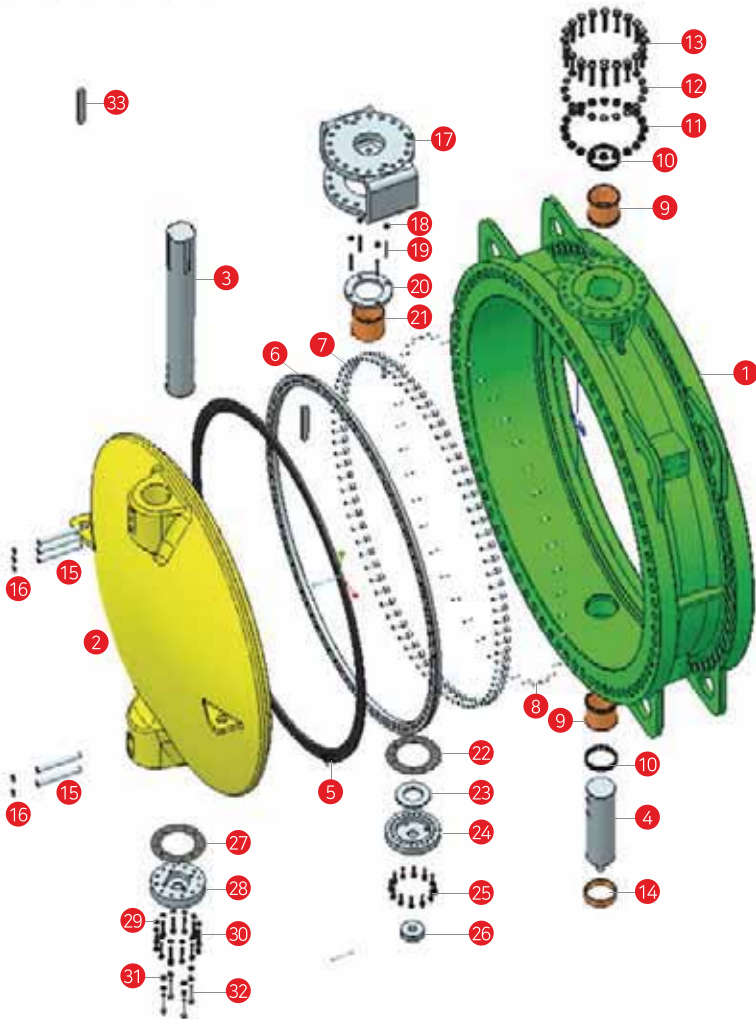


AWWA C 207 Class E PN16 3000A (120")

CONTRACTOR	TOMOE
PROJECT	GS TAKREER RUWAIS REFINERY EXPANSION PJT
END CUSTOMER	TAKREER IN UAE

Range		Application
Size		8"(200A) ~ 160"(4000A)
Fluid		Water, Air, Steam, Gas
Rating		JIS 10K, PN 10, ANSI 150# AWWA C 207
End Connection		Wafer, Lugged, Flanged
Temp. Range		-20 ~ 165 °C
Materials	Body	Cast Iron, Ductile Iron, Cast Steel, Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc. (Rubber Lining)
	Disc	Cast Iron, Ductile Iron, Cast Steel, Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc. (Rubber Lining)
	Seat	Rubber (EPDM, NBR, SILICON etc.)

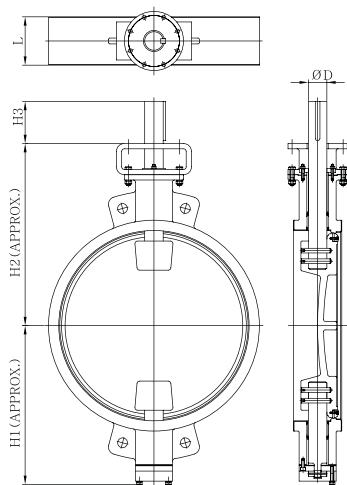
DKC DRAWING AND PART LIST OF ECCENTRIC (WATER WORK) BUTTERFLY VALVE



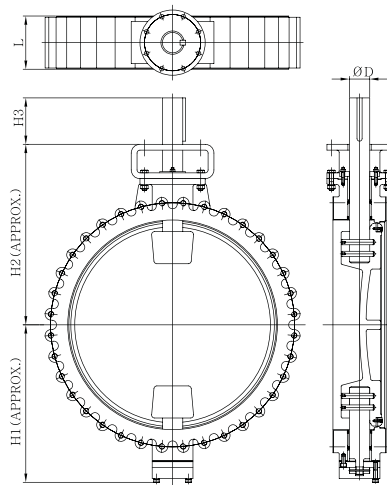
No.	Part Name
1	BODY
2	DISC
3	MAIN SHAFT
4	STUB SHAFT
5	DISC SEAT
6	RETAINER
7	SOKET HEAD BOLT
8	SET SCREW
9	BUSH
10	PACKING
11	HEX NUT
12	SPRING WASHER
13	HEX HEAD BOLT
14	GRAND BUSH
15	SHAFT PIN
16	SHAFT PIN CAP
17	BRACKET
18	HEX NUT
19	STUD BOLT
20	GRAND FLANGE
21	GRAND BUSH
22	END COVER GASKET
23	GLAND FLANGE
24	END COVER
25	SOCKET HEAD BOLT
26	THRUST BEARING
27	END COVER CAP GASKET
28	END COVER CAP
29	SPRING WASHER
30	HEX HEAD BOLT
31	PLANE WASHER
32	HEX HEAD BOLT
33	KEY

DIMENSION TABLE FOR ECCENTRIC BUTTERFLY VALVE (SEB SERIES)

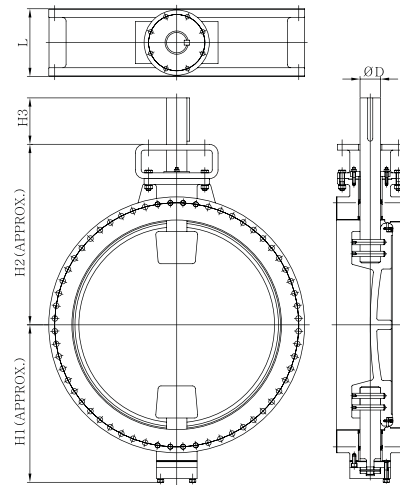
■ Wafer



■ Lugged



■ Flanged



Max. Size : 4000A (160")

Unit : mm

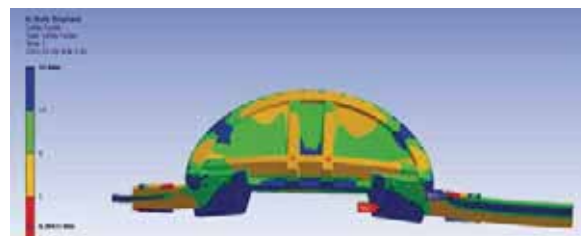
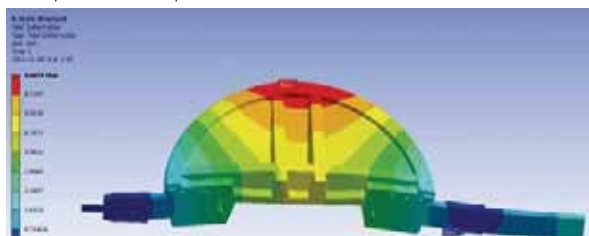
VALVE SIZE		H1	H2	H3	L			ØD	TOP	WEIGHT(kg)
mm	inch	APPROX.	APPROX.		WAFER	LUGGED	FLANGE		FLANGE	
200	8	251	316	60	64	64	152	30	F10	35
250	10	271	336	60	71	71	165	35	F10	50
300	12	321	411	70	81	81	178	38	F14	80
350	14	347	477	70	92	92	190	45	F14	100
400	16	398	508	70	102	102	216	50	F14	150
450	18	418	528	85	114	114	222	55	F14	250
500	20	449	559	85	127	127	229	60	F14	300
550	22	475	645	85	154	154	229	65	F16	350
600	24	506	676	85	154	154	267	70	F16	450
650	26	535	705	85	165	165	229	75	F16	500
700	28	614	814	105	165	165	292	85	F25	600
750	30	642	842	105	165	165	305	90	F25	800
800	32	680	880	105	190	190	318	95	F25	1000
900	36	734	934	120	203	203	330	110	F30	1300
1000	40	845	995	130	216	216	410	110	F30	1550
1100	44	902	1087	150	240	240	410	120	F35	1700
1200	48	956	1141	150	254	254	470	130	F35	2000
1300	52	1013	1198	160			470	140	F35	2600
1350	54	1041	1226	180			530	150	F40	3000
1500	60	1177	1367	180			530	160	F40	4000
1650	66	1216	1456	200			600	180	F40	5500
1800	72	1300	1644	220			670	200	F48	7000
2100	84	1567	1812	250			760	220	F48	9000
2250	90	1653	1988	270			760	250	F60	12000
2400	96	1802	2137	280			760	260	F60	17000
3000	120	1980	2355	370			800	320	F60	25000

Weight : Based on Flanged Type

L : Face to Face Dimension

Analysis of Safety Distribution and Variation at Disc

* Please contact sales office for other sizes.



CONCENTRIC BUTTERFLY VALVE (RUBBER SEAT) (COB SERIES)

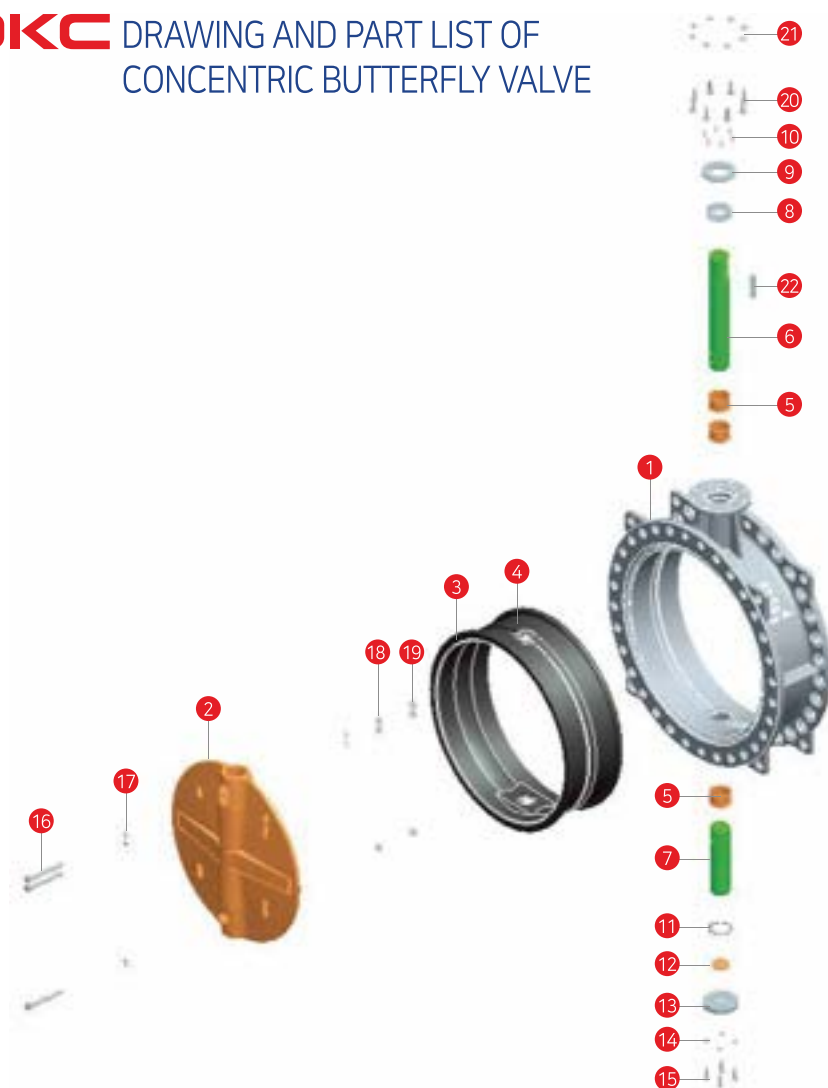


150# / 700A (28")

CONTRACTOR	DOOSAN HEAVY IND.
PROJECT	SHUWAIKH RO PJT
END CUSTOMER	MEW IN KUWAIT

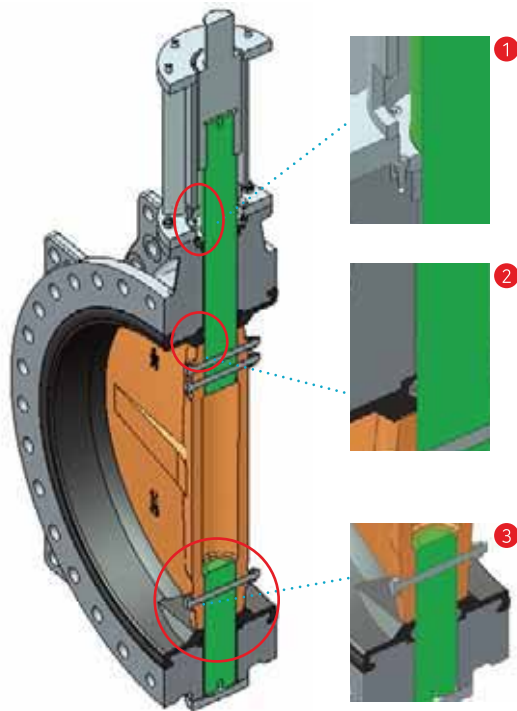
Range		Application
Size		1-1/2"(40A) ~ 72"(1800A)
Fluid		Water
Rating		JIS 10K, ANSI 150#, PN10
End Connection		Wafer, Lugged, Flanged
Temp. Range		EPDM -20 ~ 120°C NBR -20 ~ 80°C VITON -20 ~ 165°C
Materials	Body	Cast Iron, Ductile Iron, Cast Steel, Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc.
	Disc	Stainless Steel, (Ni) Al Bronze, (Super) Duplex S.S etc.
	Seat	Rubber (EPDM, NBR, VITON etc.)

DKC DRAWING AND PART LIST OF CONCENTRIC BUTTERFLY VALVE



No.	Part Name
1	BODY
2	DISC
3	SEAT
4	BACK RING
5	BUSH
6	UPPER SHAFT
7	LOWER SHAFT
8	GLAND BUSH
9	PACKING GLAND
10	GLAND BOLT
11	THRUST PLATE
12	END COVER O-RING
13	END COVER
14	SPRING WASHER
15	HEX BOLT_END COVER
16	DISC PIN
17	DISC PIN O-RING
18	DISC PIN WASHER
19	DISC PIN HEX NUT
20	BRACKET HEX BOLT
21	BRACKET HEX NUT
22	KEY

CONCENTRIC BUTTERFLY VALVE DESIGN (COB SERIES)

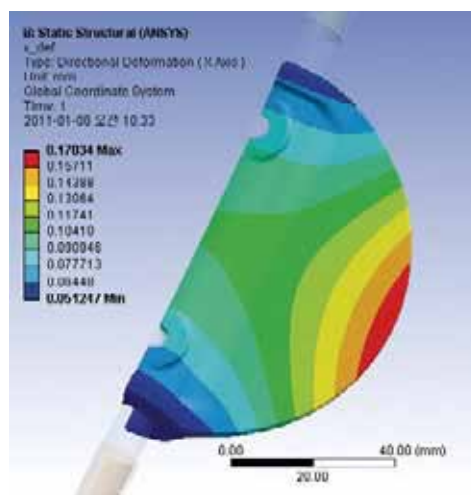
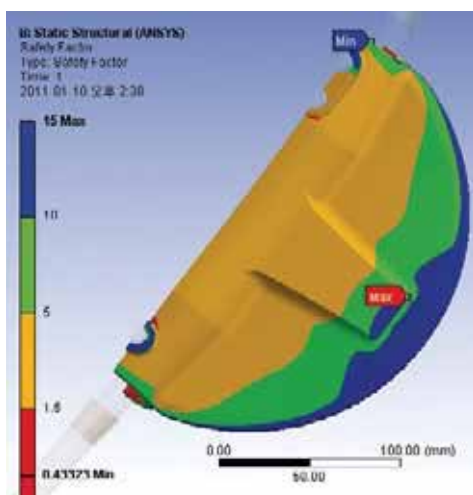


1 Different way for pressing the packing
Using packing gland as one set,
it would be possible to protect from leakage.

2 Insert Ring
Reinforcing Steel Plate is set into Rubber Seat to
keep Rubber Seat stable without deformation.

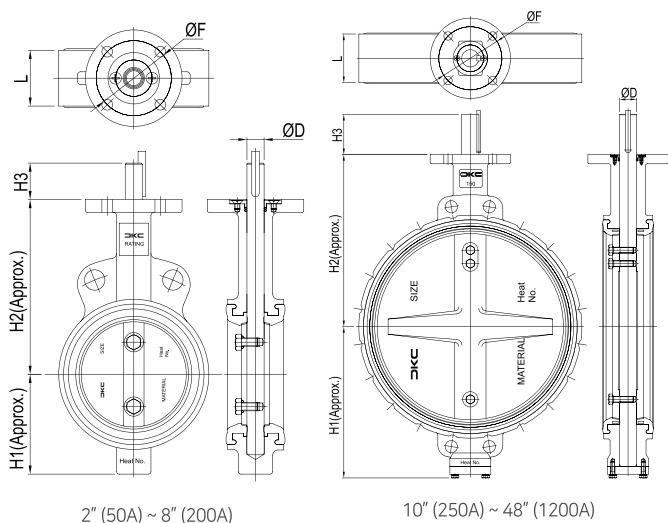
3 Pin Bolt & Nut Assembling
Pneumatic Op' Valve with bolt connection
occurs to break the bolt head which is going to
result in damage in the pipe line or valve.
DKC uses the Pin Bolt & Nut instead of bolt to
prevent from damaging.

DKC Analysis of Safety Distribution and Deformation at Disc

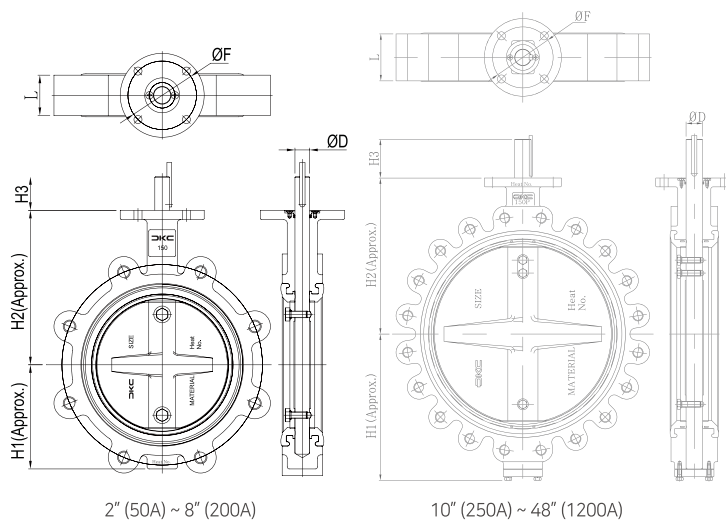


DIMENSION TABLE FOR CONCENTRIC BUTTERFLY VALVE 150LB (COB SERIES)

WAFER DESIGN



LUG DESIGN



Max. Size : 1800A (72")

Unit : mm

VALVE SIZE		L	H1	H2	H3	ØD	ØF	WEIGHT (kg)
inch	mm							
2	50	43	58	130	29	Ø14	F07	6.5
2 1/2	65	46	65	142	29	Ø14	F07	7
3	80	46	78	150	29	Ø16	F07	7.5
4	100	52	93	163	29	Ø16	F07	8.5
5	125	56	116	176	29	Ø20	F07	10.5
6	150	56	128	185	29	Ø20	F07	11.5
8	200	60	155	230	45	Ø22	F10	15.5
10	250	68	231	267	36	Ø25	F10	31
12	300	78	267	310	36	Ø28	F10	42
14	350	78	297	338	45	Ø32	F10	50
16	400	102	332	375	45	Ø35	F14	93
18	450	114	350	390	45	Ø40	F14	110
20	500	127	394	422	55	Ø45	F16	165
22	550	154	430	460	55	Ø50	F16	230
24	600	154	455	495	65	Ø55	F16	300
26	650	165	475	536	65	Ø60	F16	348
28	700	165	540	590	70	Ø70	F16	395
30	750	165	721	600	70	Ø75	F16	455
32	800	190	581	640	70	Ø80	F25	543
34	850	210	600	665	70	Ø90	F25	615
36	900	203	625	695	70	Ø90	F25	652
38	950	203	660	730	70	Ø95	F25	692
40	1000	200	704	770	75	Ø100	F30	700
42	1050	251	733	803	75	Ø100	F30	740
44	1100	240	766	840	75	Ø100.5	F30	780
46	1150	240	788	858	80	Ø110	F30	890
48	1200	276	820	885	80	Ø120	F30	1015

Max. Size : 1800A (72")

Unit : mm

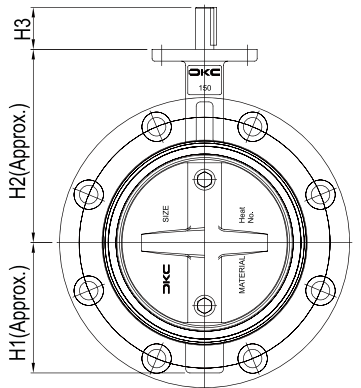
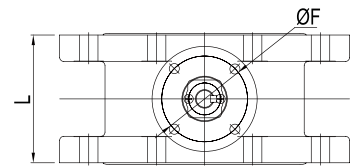
VALVE SIZE		L	H1	H2	H3	ØD	ØF	WEIGHT (kg)
inch	mm							
2	50	43	58	130	29	Ø14	F07	7.5
2 1/2	65	46	65	142	29	Ø14	F07	8.5
3	80	46	78	150	29	Ø16	F07	10
4	100	52	93	163	29	Ø16	F07	14
5	125	56	116	176	29	Ø20	F07	16
6	150	56	128	185	29	Ø20	F07	18
8	200	60	155	230	45	Ø22	F10	23
10	250	68	231	267	36	Ø25	F10	41
12	300	78	267	310	36	Ø28	F10	54
14	350	78	297	338	45	Ø32	F10	62
16	400	102	332	375	45	Ø35	F14	115
18	450	114	350	390	45	Ø40	F14	140
20	500	127	394	422	55	Ø45	F16	205
22	550	154	430	460	55	Ø50	F16	290
24	600	154	455	495	65	Ø55	F16	390
26	650	165	475	536	65	Ø60	F16	425
28	700	165	517	555	70	Ø70	F16	470
30	750	165	721	600	70	Ø75	F16	550
32	800	190	581	640	70	Ø80	F25	650
34	850	210	600	665	70	Ø90	F25	740
36	900	203	625	695	70	Ø90	F25	790
38	950	203	660	730	70	Ø95	F25	830
40	1000	200	704	770	75	Ø100	F30	900
42	1050	251	733	803	75	Ø100	F30	950
44	1100	240	766	840	75	Ø100.5	F30	1030
46	1150	240	788	858	80	Ø110	F30	1180
48	1200	276	820	885	80	Ø120	F30	1250

L : Face to Face Dimension

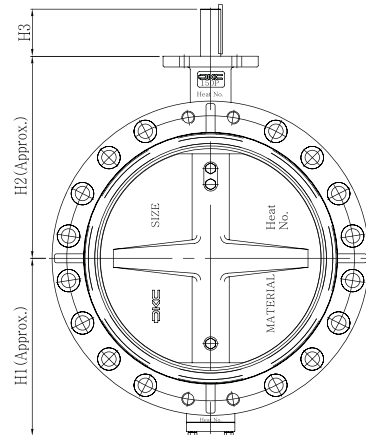
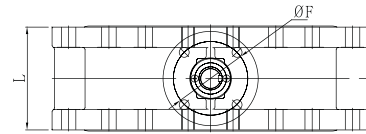
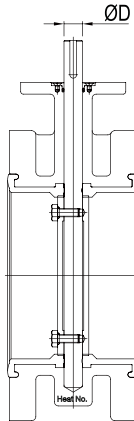
* Please contact sales office for other sizes.

DIMENSION TABLE FOR CONCENTRIC BUTTERFLY VALVE 150LB (COB SERIES)

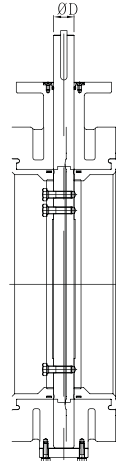
FLANGE DESIGN



2" (50A) ~ 8" (200A)



10" (250A) ~ 48" (1200A)



Max. Size : 1800A (72")

Unit : mm

VALVE SIZE		L	H1	H2	H3	ØD	ØF	WEIGHT (kg)
inch	mm							
2	50	108	58	130	29	Ø14	F07	13
2 1/2	65	112	65	142	29	Ø14	F07	15
3	80	114	78	150	29	Ø16	F07	17
4	100	127	93	163	29	Ø16	F07	20
5	125	140	116	176	29	Ø20	F07	23
6	150	140	128	185	29	Ø20	F07	27
8	200	152	155	230	45	Ø22	F10	31
10	250	165	231	267	36	Ø25	F10	50
12	300	178	267	310	36	Ø28	F10	68
14	350	190	297	338	45	Ø32	F10	85
16	400	216	332	375	45	Ø35	F14	135
18	450	222	350	390	45	Ø40	F14	159
20	500	229	394	422	55	Ø45	F16	240
22	550	229	415	463	55	Ø50	F16	320
24	600	267	455	496	65	Ø55	F16	410
26	650	292	475	523	65	Ø60	F16	440
28	700	292	503	550	70	Ø70	F16	490
30	750	318	540	590	70	Ø75	F16	590
32	800	318	581	640	70	Ø80	F25	695
34	850	330	600	665	70	Ø90	F25	790
36	900	330	625	695	70	Ø90	F25	840
38	950	410	660	730	70	Ø95	F25	890
40	1000	410	704	770	75	Ø100	F30	1050
42	1050	410	733	803	75	Ø100	F30	1260
44	1100	410	766	840	75	Ø100.5	F30	1512
46	1150	470	788	858	80	Ø110	F30	1815
48	1200	470	820	885	80	Ø120	F30	2178

L : Face to Face Dimension

* Please contact sales office for other sizes.

DKC CO., LTD.

BUTTERFLY VALVES

CHECK VALVE

NON RETURN VALVE

SPECIAL VALVE



VALVE EXPERTS GROUP

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