



Trust[®]

valves and flow control specialist

BUTTERFLY VALVES

BFV-1

ABOUT US

PROFILE

Trust Valves was established in 2008 and is part of Firsia Group. We operate in the valve market as distributor and stockist of internationally recognized valve brands. Our company is designed to provide efficient and reliable service in harsh industrial applications, combining the proven performance of the industry's most rugged platform with the widest variety of valves and flow control options.

MISSION

Build a partnership with our customers by providing solutions that have deep impact and enable them to achieve core objective. Trust Valves aims to provide the best products and customer service. At Trust Valves, customer satisfaction is the highest priority.

VISION

Control business by providing solutions that give substantial value to our customers, provide highly valued careers for our associates and deliver solid returns to our investors.



PRODUCT LINE

CENTRED DISC

- Wafer, LUG or Double flanged ("U" section)
- Sizes 1.1/2" through 80"
- Class ANSI #150 – PN6 to PN25
- From -20°C to +150°C
- Lever, Gear or Actuator/Motor operated



DOUBLE OFFSET

- Wafer, LUG or Double flanged ("U" section)
- Sizes 2" through 80"
- Class ANSI #150 to #600 – PN16 to PN100
- From -40°C to +250°C (Metal seated available on request)
- Lever, Gear or Actuator/Motor operated



TRIPLE OFFSET

- Wafer, LUG, Butt-Weld and Double flanged
- Sizes 2" through 80"
- Class ANSI #150 to #2500 – PN16 to PN420
- From -196°C to +818°C
- Lever, Gear or Actuator/Motor operated



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BUTTERFLY VALVES

RUBBER SEATED – API 609-A / ISO 5752



STANDARD FEATURES

- **Construction:** Resilient Seat
Self-centering Disc
Fully Rated
- **Design:** API 609-A
ISO 5752 short
- **Body style:** Wafer
LUG
Double flanged ("U" section)
- **Testing:** EN 12266-1 Rate A
ISO 5208 Rate A
DIN 3230
API 598
- **Rating:** ASME B16.34
- **Marking:** MSS-SP 25
CE – PED
- **Certificates:** EN 10204 – 3.1 B

No.	Part	No.	Part
1	Body	2	Disc
3	Stem	4	Seat
5	Packing	6	Bushing

API 609-A VALVES - BODY/DISC MATERIALS & SEATS		
Body	Disc	Body Seat
DUCTILE IRON EN-GJS 400-15 (GS400)	DUCTILE IRON EN-GJS 400-15 (GS400)	NBR (BUNA®)
CARBON STEEL ASTM A216-WCB	CARBON STEEL ASTM A216-WCB	EPDM
LT CARBON STEEL ASTM A352 LCB/LCC	STAINLESS STEEL ASTM A351 CF8M	EPDM HT
STAINLESS STEEL ASTM A351 CF8M	ALU-BRONZE ASTM B148-C95500/800	FKM (VITON®)
ALU-BRONZE ASTM B148-C95500/800	DUPLEX A890 4A/5A/6A	NEOPRENE®
ALUMINIUM EN AB 46400	HASTELLOY® ASTM A494 CX2MW	SILOPREN®
DUPLEX A890 4A/5A/6A	MONEL® ASTM A494 M35-1	HYPALON®
-	CS or DI + Rilsan®/Halar®/EPDM/Ebonite®	-
-Other materials available on request-		

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**Butterfly valve – Centred disc
Wafer body style**

Suitable for ASME B16.5 flanges

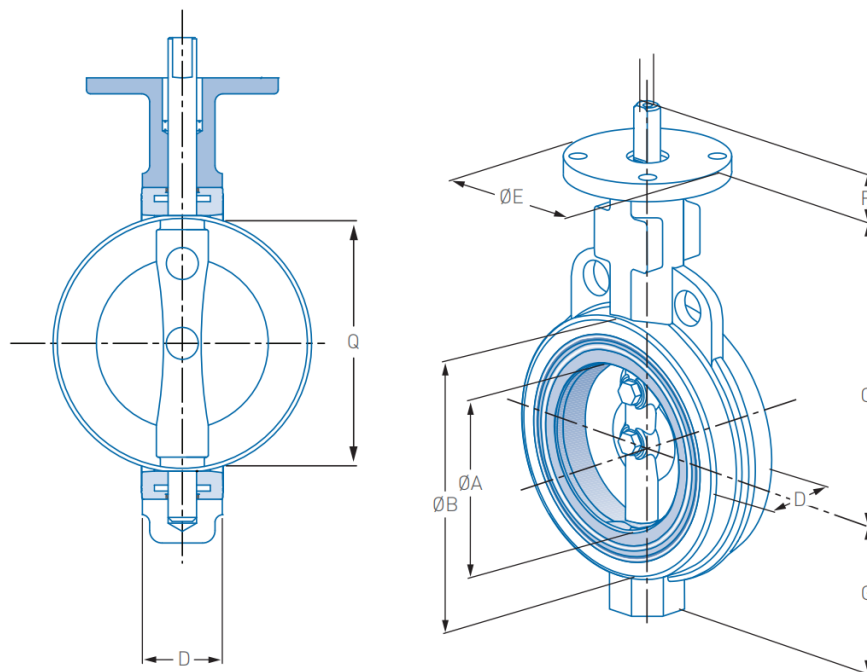
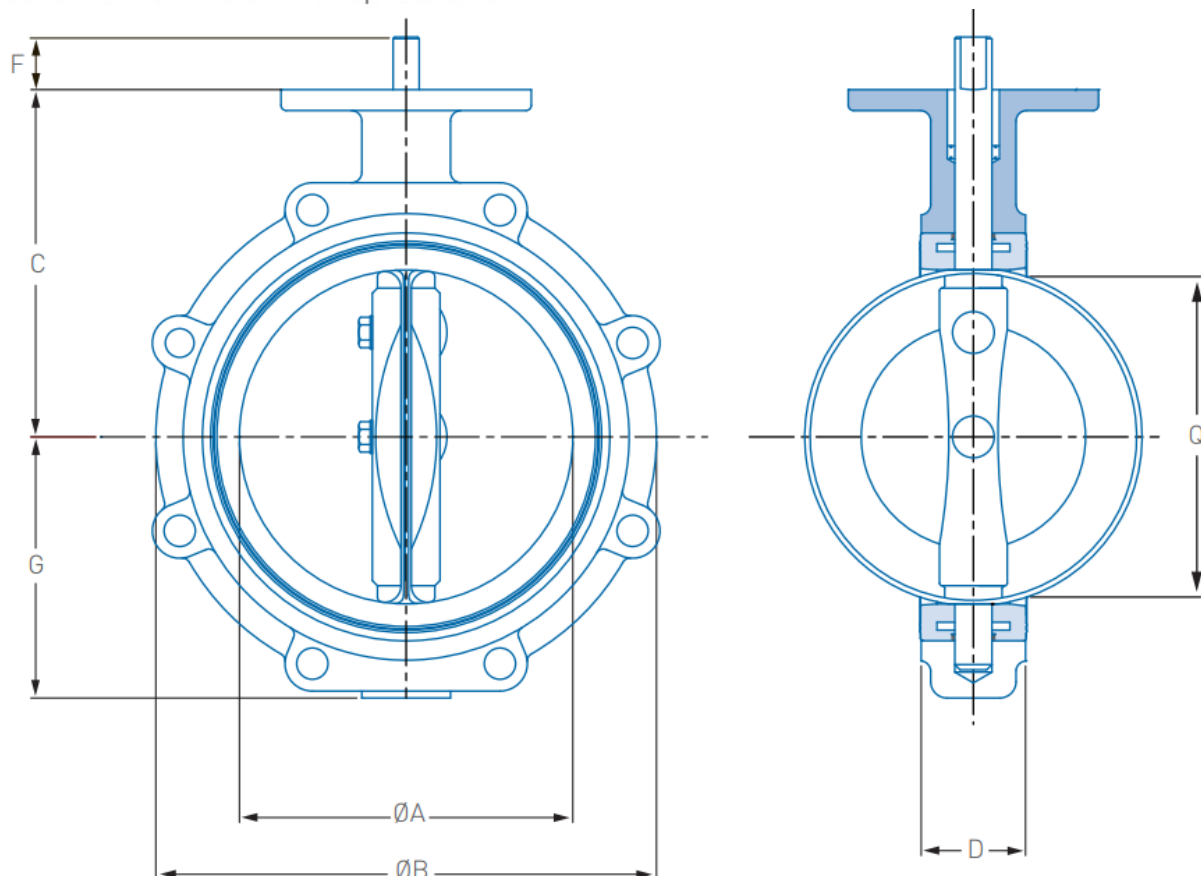


Fig. 2100 – Class #150

Size	2"	2.1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"
DN	50	65	80	100	125	150	200	250	300	350	400
C	140	152	159	178	191	203	245	275	315	307	342
G	83	93	98	111	127	143	172	204	242	291	325
F	26	26	26	30	30	33	33	47	47	55	65
ØB	102	122	139	159	189	214	269	331	380	442	493
D	43	46	46	52	56	56	60	68	78	78	102
ØA	32	51	69	89	115	143	194	243	293	332	382
Kg.	3,3	4	4,3	5,7	7,4	8,9	13,5	22,8	31,7	43,2	65,2
ISO	F-07	F-07	F-07	F-07	F-07	F-07	F-07	F-10	F-10	F-12	F-14

Size	18"	20"	24"	28"	30"	32"	36"	40"	42"	44"	48"
DN	450	500	600	700	750	800	900	1000	1050	1100	1200
C	387	425	532	573	622	650	707	755	781	800	900
G	357	381	488	506	555	578	643	729	755	774	855
F	65	65	110	110	110	110	110	110	110	110	130
ØB	544	601	840	927	984	1060	1168	1255	1346	1403	1511
D	113	126	146	175	176	215	246	280	280	280	360
ØA	432	478	585	683	733	755	852	958	1013	1050	1098
Kg.	84,5	119	281	414	508	572	639	918	1034	1150	1760
ISO	F-14	F-14	F-25	F-25	F-25	F-25	F-25	F-25	F-25	F-25	F-30

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LUG BODY STYLE

Size	2"	2.1/2"	3"	4"	5"	6"	8"
DN	50	65	80	100	125	150	200
C	140	152	159	178	191	203	245
G	63	73	81	97	112	122	149
F	26	26	26	30	30	33	33
ØB	152	178	200	229	254	280	343
D	43	46	46	52	56	56	60
ØA	32	51	69	89	115	143	194
Kg.	3,3	4,5	6	8	9,8	11,5	18,3
ISO	F-07	F-07	F-07	F-07	F-07	F-07	F-07

Size	10"	12"	14"	16"	18"	20"	24"
DN	250	300	350	400	450	500	600
C	275	315	307	342	387	425	532
G	203	241	291	325	357	381	488
F	47	47	55	65	65	65	110
ØB	406	483	535	597	635	715	840
D	68	78	78	102	113	126	146
ØA	243	293	332	382	432	478	585
Kg.	31,5	48,3	57,6	93,1	114,1	158,3	297
ISO	F-10	F-10	F-12	F-14	F-14	F-14	F-25

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Butterfly valve – Centred disc
Double “U” flanged body

Flanged ends acc. to ASME B16.5

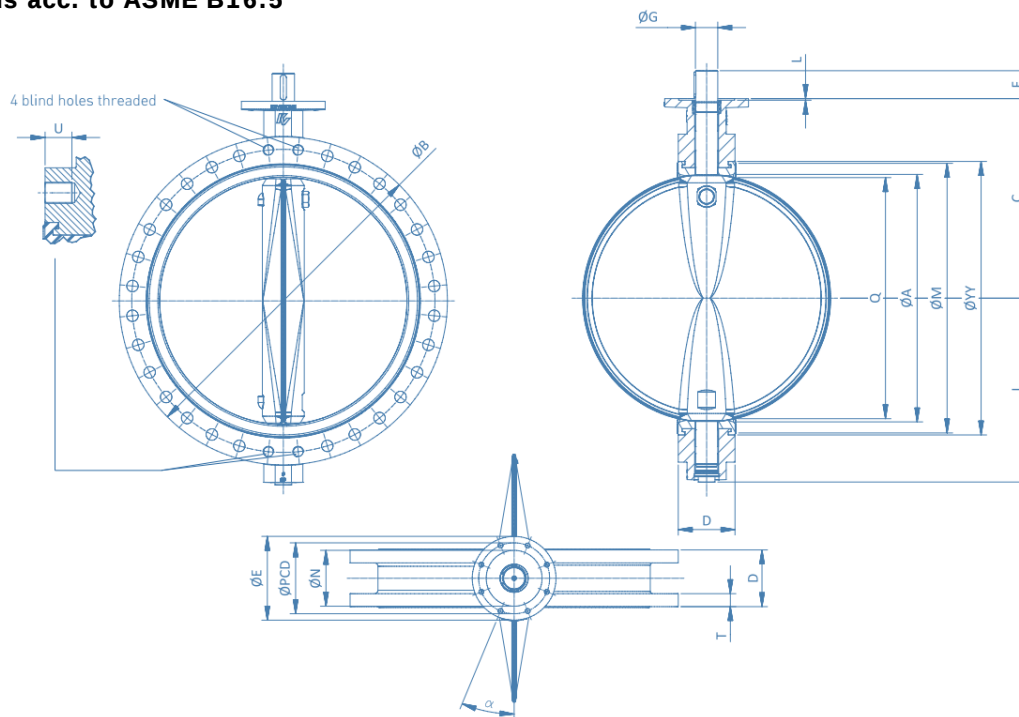


Fig. 2300 – Class # 150

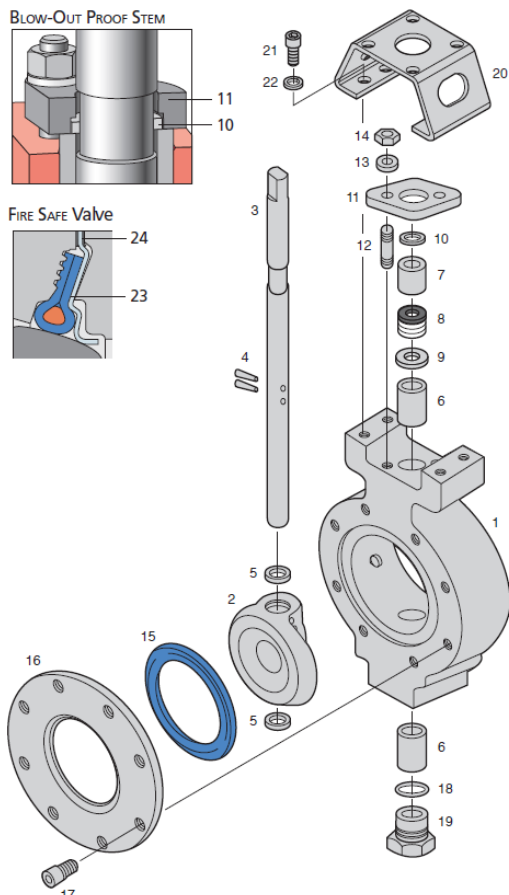
Size	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
DN	100	125	150	200	250	300	350	400	450	500
C	178	191	203	245	275	315	307	342	387	425
J	120	132	148	180	211	251	291	325	357	381
F	30	30	33	33	47	47	55	65	65	65
$\varnothing B$	229	254	285	343	406	483	535	497	635	715
D	52	56	56	60	68	78	78	102	113	126
Q	89	115	143	194	243	293	332	382	432	478
Kg.	10,3	13,6	17,3	22,5	38,8	50,3	66,7	98,7	128,6	171,1
ISO	F-07	F-07	F-07	F-07	F-10	F-10	F-12	F-14	F-14	F-14

Size	24"	28"	30"	32"	36"	40"	42"	44"	48"	54"
DN	600	700	750	800	900	1000	1050	1100	1200	1350
C	532	573	622	657	707	755	781	800	900	975
J	488	506	555	583	643	729	755	774	855	895
F	110	110	110	110	110	110	110	110	130	165
$\varnothing B$	840	927	984	1060	1168	1255	1346	1403	1511	1685
D	146	175	176	215	246	280	280	280	360	381
Q	569	668	720	767	867	968	1015	1038	1137	1256
Kg.	304	456	556	608	745	1038	1364	1690	1880	2225
ISO	F-25	F-25	F-25	F-25	F-25	F-25	F-25	F-25	F-30	F-35

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BUTTERFLY VALVES

DOUBLE OFFSET – API 609-B / ASME B16.34



STANDARD FEATURES

- **Construction:** Resilient or Metal Seat
Fire-Safe
Bi-directional tight shut-off
Double eccentricity
Bi-directional axial shaft support
- **Design:** API 609-B
ASME B 16.34
- **Body style:** Wafer
LUG
Double flanged
- **Testing:** EN 12266-1 Rate A
ISO 5208 Rate A
DIN 3230
API 598
- **Rating:** ASME B16.34
- **Marking:** MSS-SP 25
CE – PED
- **Certificates:** EN 10204 – 3.1 B

No.	Part	No.	Part	No.	Part
1	Body	10	Retaining Ring	19	Locating Plug
2	Disc	11	Gland Retainer	20	Mounting Plate
3	Stem	12	Stud	21	Cap Screws
4	Taper Pins	13	Lock Washers	22	Lock Washers
5	Disc Spacers	14	Hex Nut	23	Metal Seat (Optional)
6	Bearing Assembly	15	Seat Assembly	24	Gasket (Optional)
7	Gland Ring	16	Seat Retainer Plate	-	-
8	Stem Seal	17	Cap Screws	-	-
9	Thrust Washer	18	Gasket	-	-

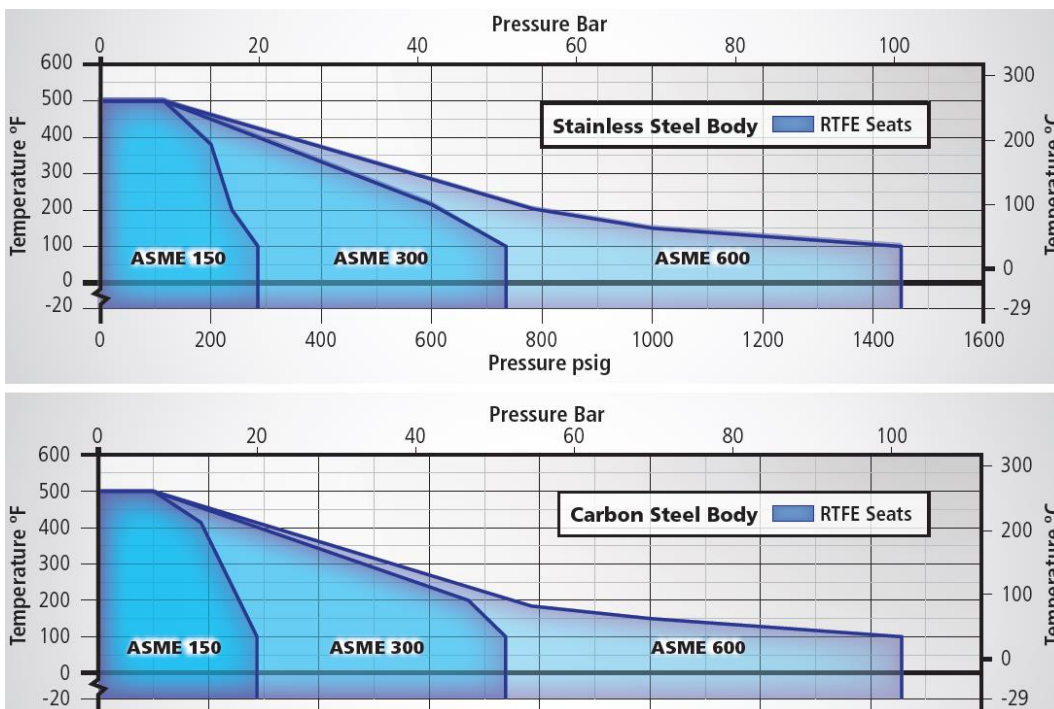
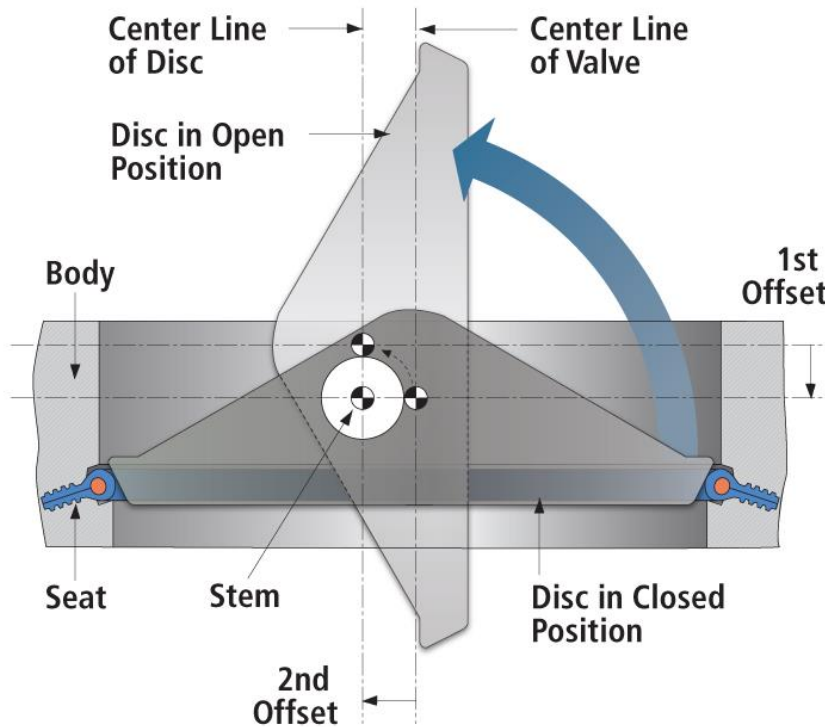
API 609-B VALVES - BODY/DISC MATERIALS & SEATS

Body	Disc	Body Seat
CARBON STEEL ASTM A216-WCB	STAINLESS STEEL ASTM A351 CF8M	Virgin PTFE
LT CARBON STEEL ASTM A352 LCB/LCC	ALU-BRONZE ASTM B148-C95500/800	RTFE (Reinforced Polytetrafluoroethylene)
STAINLESS STEEL ASTM A351 CF8M	DUPLEX A890 4A/5A/6A	Metal to metal
ALU-BRONZE ASTM B148-C95500/800	HASTELLOY® ASTM A494 CX2MW	-
DUPLEX A890 4A/5A/6A	MONEL® ASTM A494 M35-1	-

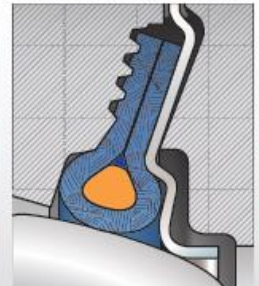
-Other materials available on request-

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DOUBLE OFFSET BUTTERFLY VALVES HIGHLIGHTS

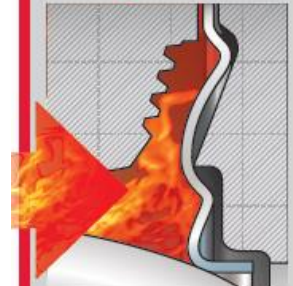


THE FIRE SAFE SEAT
in normal service

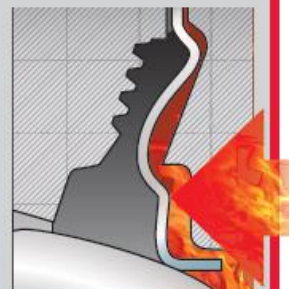


Bi-directional
Resilient Seat with
O-ring Energizer /
Inconel[®] Seat

**SEAT DURING &
AFTER FIRE**
with disc sealing load
and line media pressure
acting on the seat



Seat retainer
downstream



Seat retainer
upstream

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**Butterfly valve – Double offset
Wafer body style**

Suitable for ASME B16.5 flanges

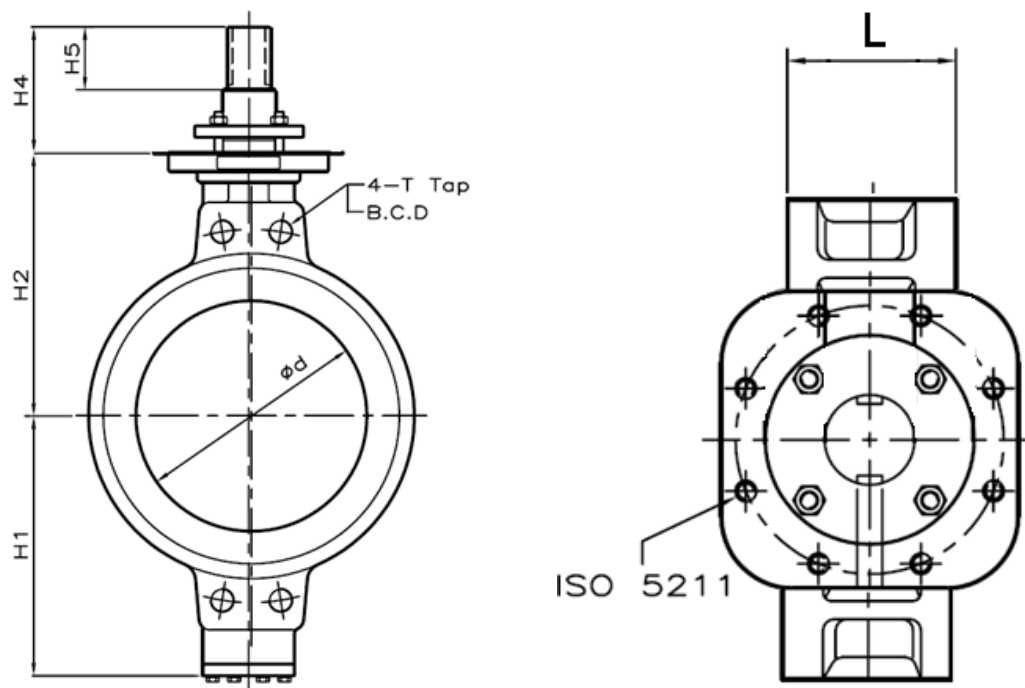


Fig. 1610 Class #150	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	100	111	122	162	197	229	270	307	350	375	418	492
	H2 (mm.)	105	130	152	180	215	250	275	315	360	385	416	480
	H4 (mm.)	65	65	65	65	85	85	90	90	230	230	230	250
	H5 (mm.)	23	23	23	24	35	35	40	40	100	100	100	110
	L (mm.)	43	48	54	57	64	71	81	92	102	114	127	154
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	550	585	605	623	670	700	760	780	855	860	870	900
	H2 (mm.)	535	570	590	618	650	690	720	740	775	800	840	880
	H4 (mm.)	250	250	230	230	230	230	230	260	260	260	260	260
	H5 (mm.)	110	110	120	120	120	120	120	120	120	120	120	120
	L (mm.)	165	165	190	190	203	203	203	216	241	241	254	254

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Fig. 1622 Class #300	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	100	111	122	190	220	239	273	320	402	427	450	550
	H2 (mm.)	105	130	152	180	215	250	275	315	360	385	416	480
	H4 (mm.)	65	65	65	65	85	85	90	90	230	230	230	250
	H5 (mm.)	23	23	23	24	35	35	40	40	100	100	100	110
	L (mm.)	43	48	54	59	73	83	92	117	133	149	159	181
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	585	670	680	-	780	-	820	850	-	-	930
	H2 (mm.)	-	600	650	675	-	765	-	780	800	-	-	900
	H4 (mm.)	-	260	260	260	-	260	-	350	350	-	-	350
	H5 (mm.)	-	120	120	120	-	120	-	180	180	-	-	180
	L (mm.)	-	230	240	240	-	273	-	300	300	-	-	350

Fig. 1623 Class #600	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	-	130	155	210	250	295	325	375	409	455	490	590
	H2 (mm.)	-	145	170	223	270	320	360	392	422	460	500	575
	H4 (mm.)	-	65	85	90	230	230	125	250	250	250	220	260
	H5 (mm.)	-	23	35	40	100	100	60	-	110	110	110	120
	L (mm.)	-	54	64	78	102	117	140	155	178	200	216	232
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H2 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H4 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H5 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	L (mm.)	-	-	-	-	-	-	-	-	-	-	-	-

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**Butterfly valve – Double offset
Lug body style – Threaded holes**

Suitable for ASME B16.5 flanges

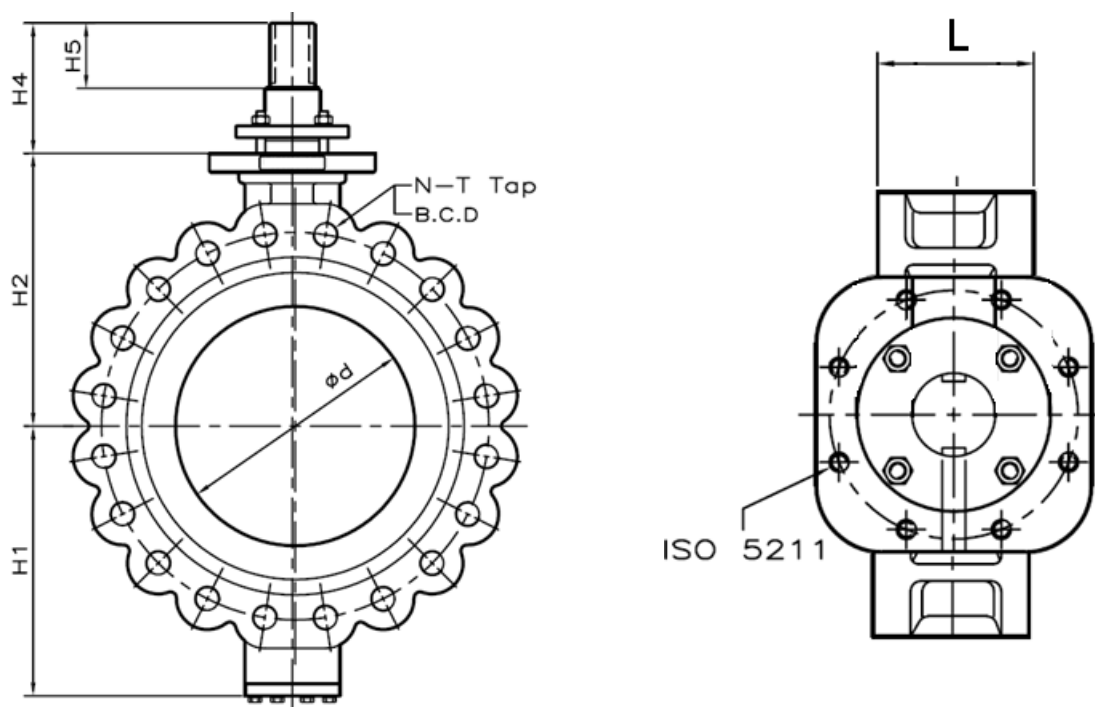


Fig. 1630 Class #150	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	100	111	122	162	197	229	270	307	350	375	418	492
	H2 (mm.)	105	130	152	180	215	250	275	315	360	385	416	480
	H4 (mm.)	65	65	65	65	85	85	90	90	230	230	230	250
	H5 (mm.)	23	23	23	24	35	35	40	40	100	100	100	110
	L (mm.)	43	48	54	57	64	71	81	92	102	114	127	154
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	550	585	605	623	670	700	760	780	855	860	870	900
	H2 (mm.)	535	570	590	618	650	690	720	740	775	800	840	880
	H4 (mm.)	250	250	230	230	230	230	230	260	260	260	260	260
	H5 (mm.)	110	110	120	120	120	120	120	120	120	120	120	120
	L (mm.)	165	165	190	190	203	203	203	216	241	241	254	254

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Fig. 1642 Class #300	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	100	111	122	190	220	239	273	320	402	427	450	550
	H2 (mm.)	105	130	152	180	215	250	275	315	360	385	416	480
	H4 (mm.)	65	65	65	65	85	85	90	90	230	230	230	250
	H5 (mm.)	23	23	23	24	35	35	40	40	100	100	100	110
	L (mm.)	43	48	54	59	73	83	92	117	133	149	159	181
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	585	670	680	-	780	-	820	850	-	-	930
	H2 (mm.)	-	600	650	675	-	765	-	780	800	-	-	900
	H4 (mm.)	-	260	260	260	-	260	-	350	350	-	-	350
	H5 (mm.)	-	120	120	120	-	120	-	180	180	-	-	180
	L (mm.)	-	230	240	240	-	273	-	300	300	-	-	350

Fig. 1645 Class #600	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	-	130	155	210	250	295	325	375	409	455	490	590
	H2 (mm.)	-	145	170	223	270	320	360	392	422	460	500	575
	H4 (mm.)	-	65	85	90	230	230	125	250	250	250	220	260
	H5 (mm.)	-	23	35	40	100	100	60	-	110	110	110	120
	L (mm.)	-	54	64	78	102	117	140	155	178	200	216	232
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H2 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H4 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H5 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	L (mm.)	-	-	-	-	-	-	-	-	-	-	-	-

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**Butterfly valve – Double offset
Double “U” flanged body**

Flanged ends acc. to ASME B16.5

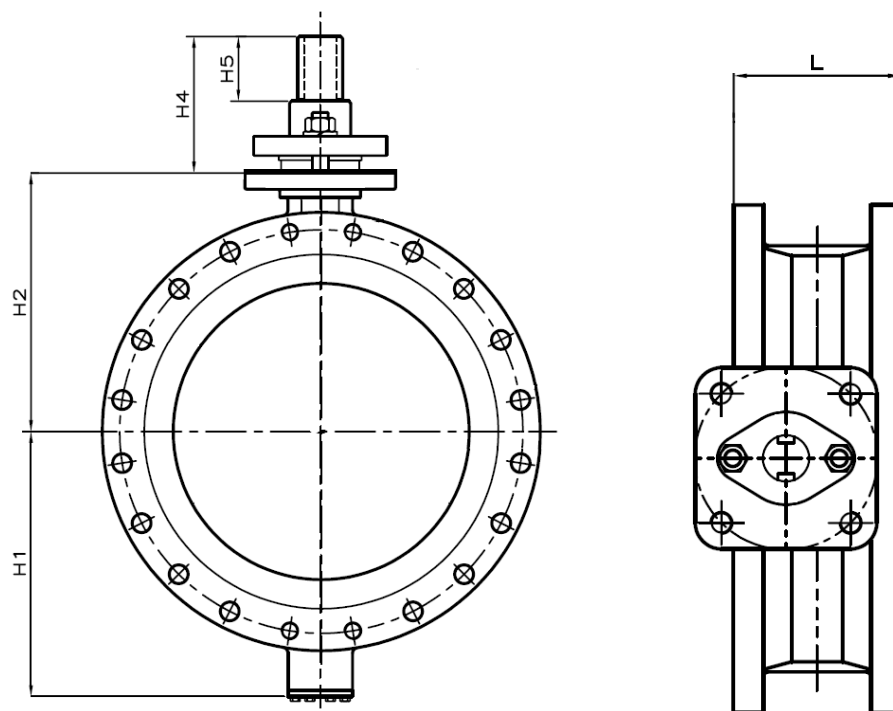


Fig. 1650 Class #150	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	-	-	122	162	197	229	270	307	350	375	418	492
	H2 (mm.)	-	-	152	180	215	250	285	315	360	385	416	480
	H4 (mm.)	-	-	65	65	85	85	90	90	230	230	230	250
	H5 (mm.)	-	-	23	24	35	35	40	40	100	100	100	110
	L (mm.)	-	-	127	140	152	165	178	190	216	222	229	267
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	550	585	605	623	670	700	740	780	855	860	870	900
	H2 (mm.)	535	570	590	618	650	690	720	740	775	800	840	880
	H4 (mm.)	250	250	230	230	230	230	230	260	260	260	260	260
	H5 (mm.)	110	110	120	120	120	120	120	120	120	120	120	120
	L (mm.)	292	292	292	318	318	330	330	410	430	450	470	470

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Fig. 1662 Class #300	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	-	-	148	190	220	239	290	320	402	427	450	550
	H2 (mm.)	-	-	172	201	240	263	303	340	400	425	460	523
	H4 (mm.)	-	-	65	65	85	85	85	230	230	250	250	230
	H5 (mm.)	-	-	23	24	35	40	40	100	100	110	110	120
	L (mm.)	-	-	190	210	230	250	270	290	310	330	350	390
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	585	670	680	-	780	-	820	850	-	-	930
	H2 (mm.)	-	600	650	675	-	765	-	780	800	-	-	900
	H4 (mm.)	-	260	260	260	-	260	-	350	350	-	-	350
	H5 (mm.)	-	120	120	120	-	120	-	180	180	-	-	180
	L (mm.)	-	430	450	470	-	510	-	550	570	-	-	630

Fig. 1665 Class #600	Ø	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	H1 (mm.)	-	-	155	210	250	295	325	375	409	455	490	590
	H2 (mm.)	-	-	170	223	270	320	360	392	422	460	500	575
	H4 (mm.)	-	-	85	90	230	230	125	125	250	250	220	260
	H5 (mm.)	-	-	40	40	100	100	60	-	110	110	110	120
	L (mm.)	-	-	190	210	230	250	270	290	310	330	350	390
	Ø	26"	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	48"
	H1 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H2 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H4 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	H5 (mm.)	-	-	-	-	-	-	-	-	-	-	-	-
	L (mm.)	-	-	-	-	-	-	-	-	-	-	-	-

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BUTTERFLY VALVES

TRIPLE OFFSET – ASME B16.34 / ASME VIII



STANDARD FEATURES

- **Construction:** Metal Seat
Bi-directional tight shut-off
Triple eccentricity
Bi-directional axial shaft support
Inherently fire safe and fire tested
- **Design:** ASME B16.34
ASME VIII
- **Body style:** Wafer
LUG
Double flanged
- **Testing:** API 598 – Zero Leakage
BS 6755 - API 607
- **Rating:** ASME B16.34
- **Marking:** MSS-SP 25
CE – PED
- **Certificates:** EN 10204 – 3.1 B

SEAT & SEALRING

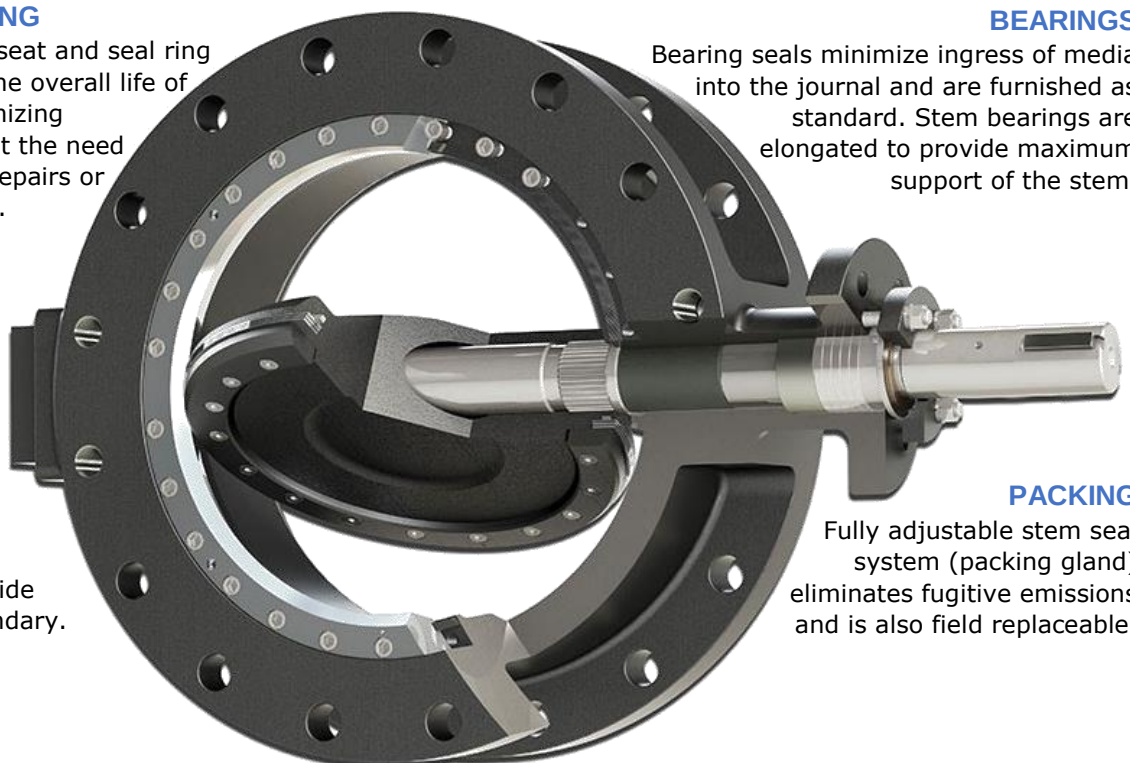
Fully replaceable seat and seal ring system extends the overall life of every valve minimizing downtime, without the need for costly offsite repairs or total replacement.

BEARINGS

Bearing seals minimize ingress of media into the journal and are furnished as standard. Stem bearings are elongated to provide maximum support of the stem.

STEM

One piece stem with a blow out prevention ring located above the packing box, outside the pressure boundary.

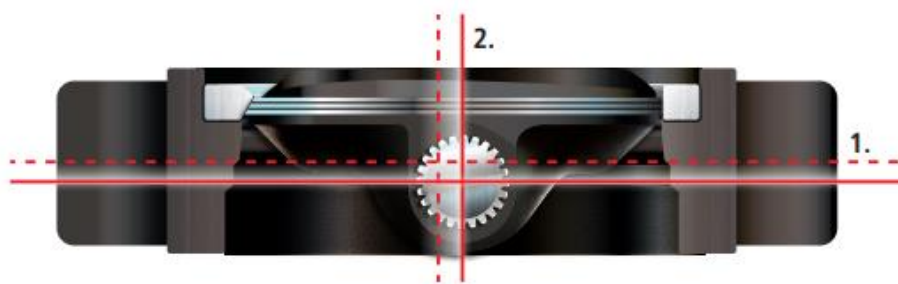


PACKING

Fully adjustable stem seal system (packing gland) eliminates fugitive emissions and is also field replaceable.

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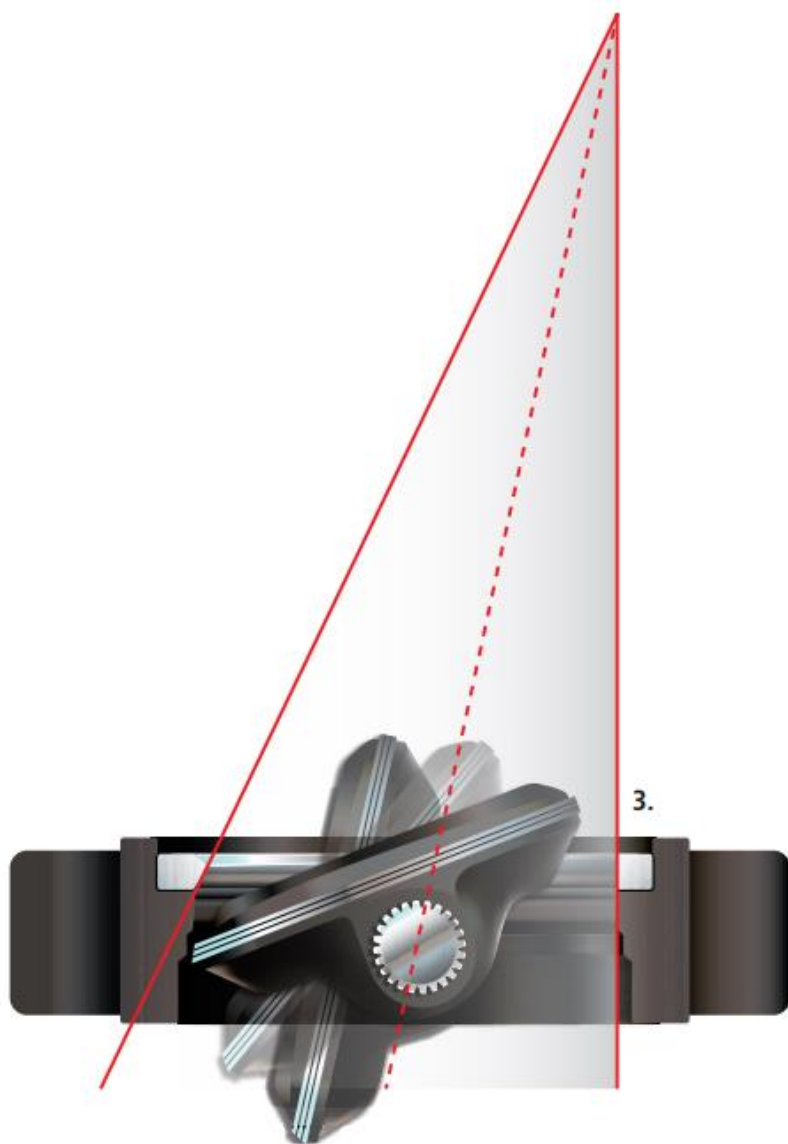
TRIPLE OFFSET BUTTERFLY VALVES HIGHLIGHTS



**No contact prior
to seating**



**Contact only
once seated**



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**Butterfly valve – Triple offset
Wafer body style**

Suitable for ASME B16.5 flanges

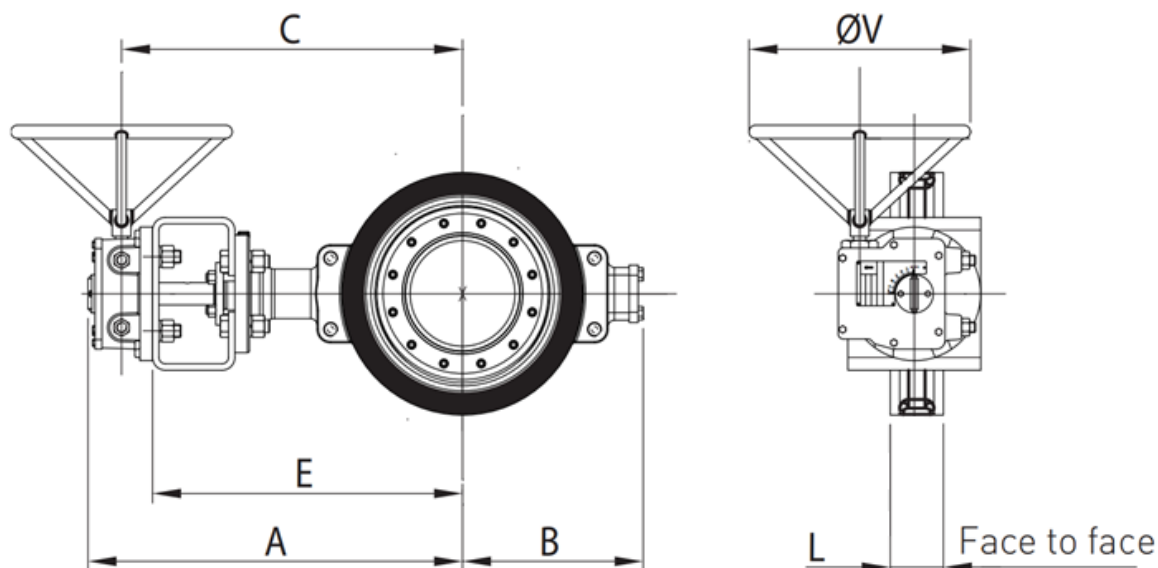


Fig. 1510 Class #150	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	340	370	410	475	515	592	627	670	705	765	845
	B (mm.)	125	141	165	214	243	286	312	350	383	407	484
	C (mm.)	298	328	368	424	464	539	574	600	635	695	750
	E (mm.)	260	290	330	385	425	490	525	545	580	640	690
	L (mm.)	48	54	57	64	71	81	92	102	114	127	154
	ØV (mm.)	125	125	125	300	300	500	500	600	600	700	300

Fig. 1520 Class #300	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	340	370	440	517	557	615	670	730	815	855	990
	B (mm.)	125	141	189	236	272	310	335	389	422	461	531
	C (mm.)	298	328	389	464	504	545	600	635	720	760	883
	E (mm.)	260	290	350	415	455	490	545	575	660	700	785
	L (mm.)	48	54	59	73	83	92	117	133	149	159	181
	ØV (mm.)	125	125	300	500	500	600	700	300	500	500	820

Fig. 1530 Class #600	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	-	388	522	570	660	755	815	885	888	1000	1090
	B (mm.)	-	185	216	265	315	362	390	440	460	526	623
	C (mm.)	-	337	469	500	565	660	708	778	795	901	991
	E (mm.)	-	298	420	445	505	600	610	680	683	795	885
	L (mm.)	-	64	78	102	117	140	155	178	200	216	232
	ØV (mm.)	-	300	500	600	300	500	820	820	680	620	680

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**Butterfly valve – Double offset
Lug body style – Threaded holes**

Suitable for ASME B16.5 flanges

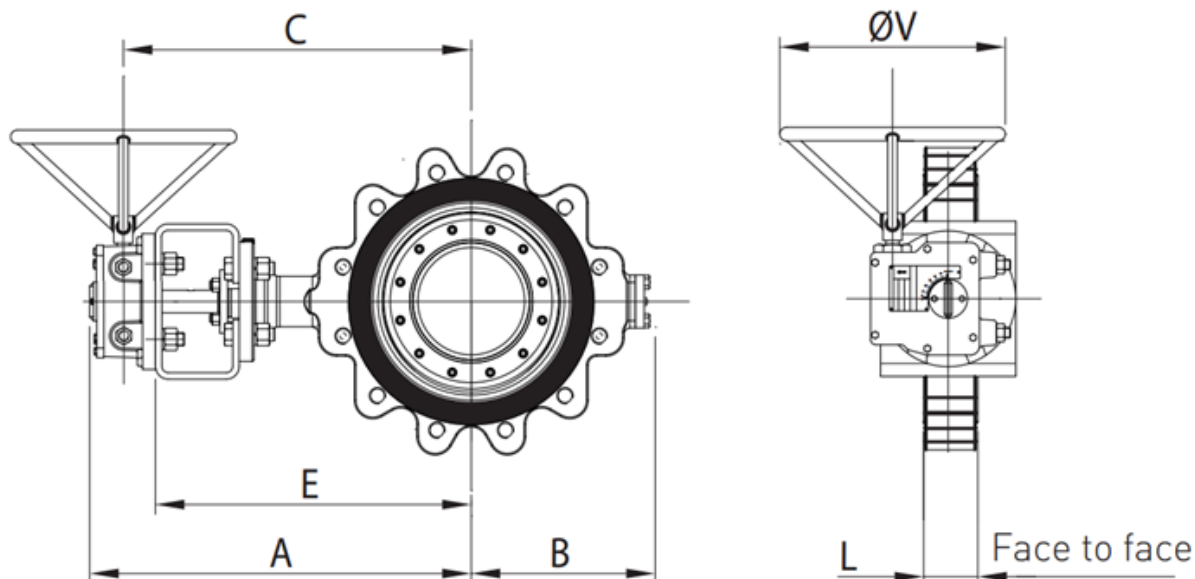


Fig. 1540 Class #150	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	340	370	410	475	515	592	627	670	705	765	845
	B (mm.)	125	141	165	214	243	286	312	350	383	407	484
	C (mm.)	298	328	368	424	464	539	574	600	635	695	750
	E (mm.)	260	290	330	385	425	490	525	545	580	640	690
	L (mm.)	48	54	57	64	71	81	92	102	114	127	154
	ØV (mm.)	125	125	125	300	300	500	500	600	600	700	300

Fig. 1550 Class #300	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	340	370	440	517	557	615	670	730	815	855	990
	B (mm.)	125	141	189	236	272	310	335	389	422	461	531
	C (mm.)	298	328	389	464	504	545	600	635	720	760	883
	E (mm.)	260	290	350	415	455	490	545	575	660	700	785
	L (mm.)	48	54	59	73	83	92	117	133	149	159	181
	ØV (mm.)	125	125	300	500	500	600	700	300	500	500	820

Fig. 1560 Class #600	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
	A (mm.)	-	388	522	570	660	755	815	885	888	1000	1090
	B (mm.)	-	185	216	265	315	362	390	440	460	526	623
	C (mm.)	-	337	469	500	565	660	708	778	795	901	991
	E (mm.)	-	298	420	445	505	600	610	680	683	795	885
	L (mm.)	-	64	78	102	117	140	155	178	200	216	232
	ØV (mm.)	-	300	500	600	300	500	820	820	680	620	680

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Butterfly valve – Triple offset
Double flanged body – Short or Long pattern

Flanged ends acc. to ASME B16.5

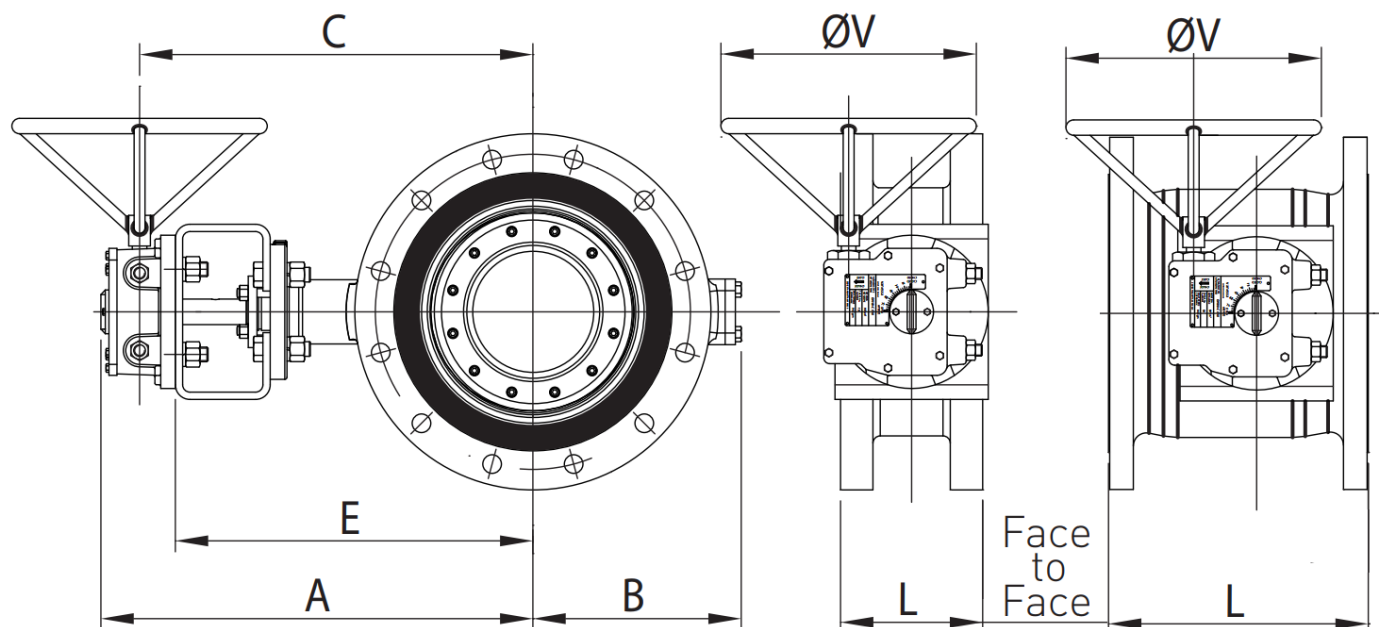


Fig. 1570 Class #150	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"
	A mm	340	370	410	475	515	592	627	670	705
	B mm	125	141	165	214	243	286	312	350	383
	C mm	298	328	368	424	464	539	574	600	635
	E mm	260	290	330	385	425	490	525	545	580
	ØV mm	125	125	125	300	300	500	500	600	600
	L mm Short Pattern	114	127	140	152	165	178	190	216	222
	L mm Long Pattern	203	229	267	292	330	356	381	406	432
	Ø	20"	24"	28"	30"	32"	36"	40"	42"	48"
	A mm	765	845	1000	1070	1070	1205	1335	1335	1557
	B mm	407	484	556	611	611	736	801	801	941
	C mm	695	750	893	963	963	1112	1236	1236	1430
	E mm	640	690	795	865	865	1000	1130	1130	1290
	ØV mm	700	300	820	820	820	680	680	680	680
	L mm Short Pattern	229	267	292	318	318	330	410	410	470
	L mm Long Pattern	457	508	610	610	660	711	-	-	-

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Fig. 1580 Class # 300	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"
	A mm	340	370	440	517	557	615	670	730	815
	B mm	125	141	189	236	272	310	335	389	422
	C mm	298	328	389	464	504	545	600	635	720
	E mm	260	290	350	415	455	490	545	575	660
	ØV mm	125	125	300	500	500	600	700	300	500
	L mm Short Pattern	114	127	140	152	165	178	190	216	222
	L mm Long Pattern	283	305	404	419	457	502	762	838	914
	Ø	20"	24"	28"	30"	32"	36"	40"	42"	48"
	A mm	855	990	1097	1222	1222	1417	1417	1482	1692
	B mm	461	531	617	671	671	801	801	900	991
	C mm	760	883	1046	1166	1166	1290	1290	1355	1493
	E mm	700	785	880	1000	1000	1150	1150	1215	1300
	ØV mm	500	820	680	680	680	680	680	680	820
	L mm Short Pattern	229	267	292	318	318	330	410	410	470
	L mm Long Pattern	991	1143	-	-	-	-	-	-	-

Fig. 1590 Class # 600	Ø	3"	4"	6"	8"	10"	12"	14"	16"	18"
	A mm	-	388	522	570	660	755	815	885	888
	B mm	-	185	216	265	315	362	390	440	460
	C mm	-	337	469	500	565	660	708	778	795
	E mm	-	298	420	445	505	600	610	680	683
	ØV mm	-	300	500	600	300	500	820	820	680
	L mm Short Pattern	-	190	210	230	250	270	290	310	330
	L mm Long Pattern	-	-	559	660	787	838	889	991	1092
	Ø	20"	24"	28"	30"	32"	36"	40"	42"	48"
	A mm	1000	1090	1450	1485	1485	1547	1944	-	2201
	B mm	526	623	760	785	785	865	1021	-	1236
	C mm	901	991	1258	1293	1293	1348	1712	-	1873
	E mm	795	885	1065	1100	1100	1155	1480	-	1640
	ØV mm	680	680	820	820	820	820	1400	-	1400
	L mm Short Pattern	350	390	430	430	430	510	550	-	630
	L mm Long Pattern	1194	1397	-	-	-	-	-	-	-

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