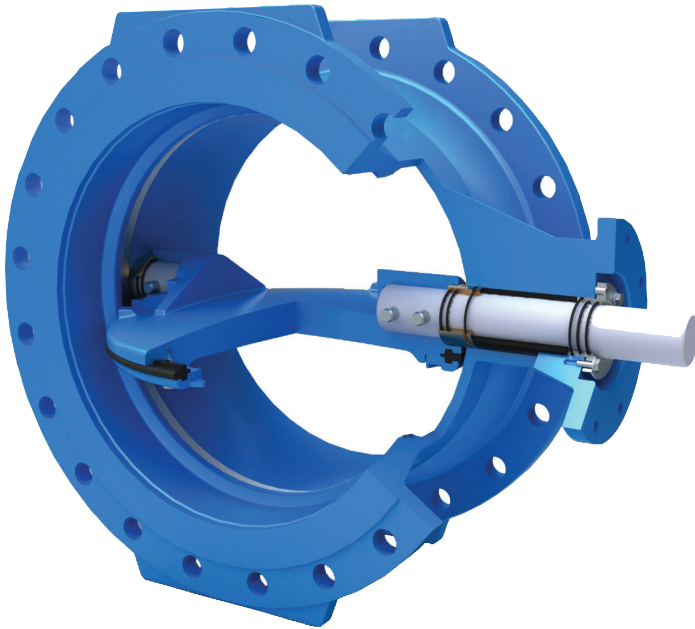


# ISO-DE Butterfly Valve

DN100-DN1800

# PRATT®

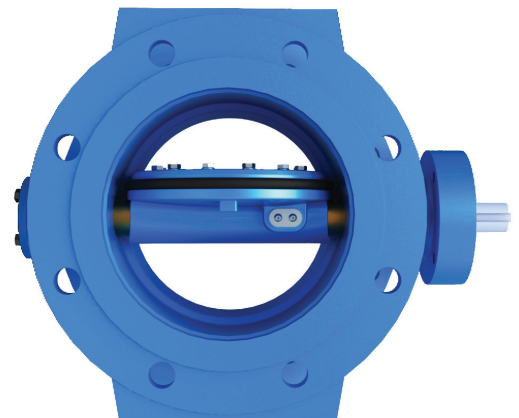


## PRODUCT FEATURES

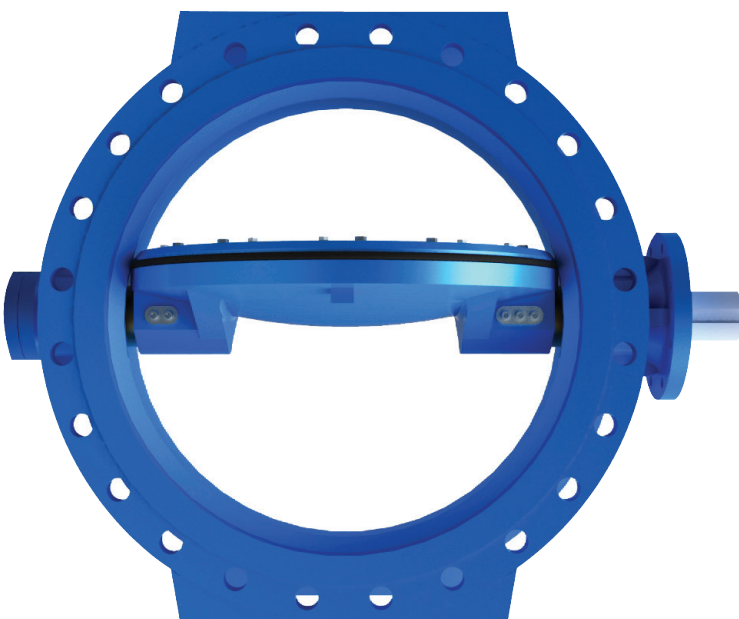
- Model: ISO-DE (Double Eccentric) Flanged Butterfly Valve.
- DN100 – DN1800.
- Pressure Class: PN10 or PN16.
- Body Style: Short (ISO-DES) and Long (ISO-DEL). Body face to face, flanged ends drilled in accordance with EN-558-1/ISO 5752/BS EN 1092.
- Ductile iron Body and Disc, ASTM A536 Gr. 65-45-12 standard.
- Rubber Seat mechanically retained in disc by means of a specially engineered stainless steel Seat Retaining Ring and stainless steel nylon Lock Screws.
- Actuation Options: Gear with Handwheel (standard), Hydraulic Actuation, Pneumatic Actuation, Electric Actuation.
- Epoxy coating system approved for drinking water applications. Fusion bonded epoxy coating on valves up to DN1200 standard.
- Range of Applications: Water, sea water\*, high temperature\*, gas\*.
- Stainless steel dry shaft, shaft completely sealed by rubber O-Rings on sealing sleeve and dry pins.
- Teflon lined filament wound bearings for long service life and lower operating torque.
- The design of the seal retaining ring allows the disc to seal tightly while retaining the seat in position against high pressure and flow.
- Specially engineered seat sealing system gives longer service life and lower operating torque.

\* Available for these applications upon request.  
Please contact Pratt or your local sales representative for details.

DN100 - DN250  
Single Shaft Design



DN300 - DN1800  
Dual Shaft Design



**Mueller Co.**

Reliable Connections®

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Form 13013 – Rev 10/16

# ISO-DE Butterfly Valve

DN100-DN1800



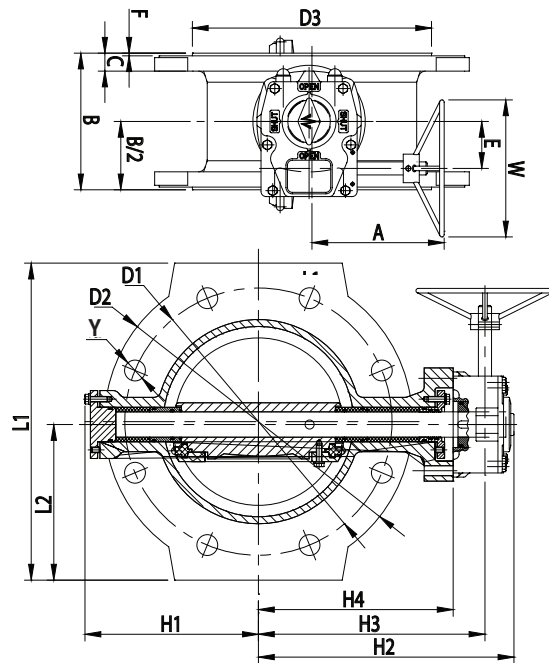
## PN10 AND PN16 DIMENSIONS - inches (mm)

Valve Size	B-Short	B-Long	F	H1	H4	ISO5211
DN100	127	190	3	110	140	F07
DN125	140	200	3	126	155	F07
DN150	140	210	3	156	185	F10
DN200	152	230	3	192	215	F10
DN250	165	250	3	217	260*	F10
DN300	178	270	4	238	280	F12
DN350	190	290	4	277	320	F12
DN400	216	310	4	319	358	F14**
DN450	222	330	4	368	385	F14
DN500	229	350	4	387	425	F16**
DN600	267	390	5	447	510	F25
DN700	292	430	5	527	550	F25
DN800	318	470	5	589	585	F25
DN900	330	510	5	654	650	F30
DN1000	410	550	5	709	704	F30
DN1200	470	630	5	842	835	F35
DN1400	530	710	5	980	987	F40
DN1600	600	790	5	1124	1122	F40
DN1800	670	870	5	1237	1232	F40

\*Dimension shown is PN10 dimension. PN16: DN250 – 245.

\*\*ISO5211 shown is PN10. PN16: DN400 – F12, DN500 – F14.

NOTE: Act. Code = Actuator Code



## PN10 DIMENSIONS - inches (mm)

Valve Size	A	C	D1	D2	D3	E	H2	H3	L1	L2	W	No.-ØYmm	Act Code
DN100	132	19	180	220	156	39	198	167	226	111	200	8 - Ø19	M07
DN125	132	19	210	250	184	39	213	182	256	126	200	8 - Ø19	M07
DN150	142	19	240	285	211	52	252	220	300	148	200	8 - Ø23	M10
DN200	142	20	295	340	266	52	282	250	350	172	200	8 - Ø23	M10
DN250	142	22	350	400	319	52	327	295	410	202	200	12 - Ø23	M10
DN300	214	25	400	455	370	67	361	322	464	229	200	12 - Ø23	M12
DN350	214	25	460	505	429	67	401	362	530	262	200	16 - Ø23	M12
DN400	214	25	515	565	480	67	439	400	576	285	200	16 - Ø28	M12
DN450	256	26	565	615	530	90	479	435	624	309	400	20 - Ø28	M14
DN500	256	27	620	670	582	90	519	475	680	337	400	20 - Ø28	M14
DN600	357	30	725	780	682	154	637	560	790	391	400	20 - Ø31	M16
DN700	357	33	840	895	794	154	677	600	895	444	400	24 - Ø31	M16
DN800	357	35	950	1015	901	154	712	635	1015	504	400	24 - Ø34	M16
DN900	456	38	1050	1115	1001	185	820	730	1115	554	500	28 - Ø34	M30
DN1000	456	40	1160	1230	1112	185	874	784	1230	611	500	28 - Ø37	M30
DN1200	591	45	1380	1455	1328	235	1059	930	1455	724	600	32 - Ø40	M40
DN1400	648	46	1590	1675	1530	305	1259	1102	1675	834	600	36 - Ø43	M50
DN1600	648	49	1820	1915	1750	305	1394	1237	1915	954	600	40 - Ø49	M50
DN1800	648	52	2020	2115	1950	305	1504	1347	2115	1054	600	44 - Ø49	M55

## PN16 - inches (mm)

Valve Size	A	C	D1	D2	D3	E	H2	H3	L1	L2	W	No.-ØYmm	Act Code
DN100	132	19	180	220	156	39	198	167	226	111	200	8 - Ø19	M07
DN125	132	19	210	250	184	39	213	182	256	126	200	8 - Ø19	M07
DN150	142	19	240	285	211	52	252	220	300	148	200	8 - Ø23	M10
DN200	142	20	295	340	266	52	282	250	350	172	200	8 - Ø23	M10
DN250	142	22	355	400	319	52	312	280	410	202	200	12 - Ø28	M10
DN300	214	25	410	455	370	67	361	322	464	229	200	12 - Ø28	M12
DN350	214	26	470	520	429	67	401	362	530	262	200	16 - Ø28	M12
DN400	214	28	525	580	480	67	439	400	590	292	200	16 - Ø31	M12
DN450	256	30	585	640	548	90	479	435	650	322	400	20 - Ø31	M14
DN500	243	32	650	715	609	123	530	475	724	359	400	20 - Ø34	M15
DN600	356	36	770	840	720	154	637	560	850	421	400	20 - Ø37	M16
DN700	356	40	840	910	794	154	677	600	910	451	400	24 - Ø37	M16
DN800	422	43	950	1025	901	146	727	643	1025	509	500	24 - Ø30	M20
DN900	456	47	1050	1125	1001	185	820	730	1125	559	500	28 - Ø40	M30
DN1000	460	50	1170	1255	1112	235	928	799	1255	624	600	28 - Ø43	M40
DN1200	648	57	1390	1485	1328	305	1107	950	1485	739	600	32 - Ø49	M50
DN1400	648	60	1590	1685	1530	305	1259	1102	1685	839	600	36 - Ø49	M50
DN1600	648	65	1820	1930	1750	305	1394	1237	1930	961	600	40 - Ø56	M50
DN1800	1015	70	2020	2130	1950	495	1605	1456	2130	1061	800	44 - Ø56	M70



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