



Contributing to safer and smarter pipe network flow control

Centerlined Butterfly Valve

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BRIEF INTRODUCTION

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Founded in 2012, KAMROO Holding Group is an innovative integrator focusing on "smart" manufacturing of valves. The core products are suitable for tough working applications such as low temperature, high temperature, high pressure, strong corrosion, and solids mixed medium. KAMROO products are suitable for industries such as Oil&Gas, Refinery, Chemical, Natural Gas, Power Plant, Metallurgy, Electronics, and new energy. The equivalent standards cover many industrial pipelines fields.

KAMROO strives to create an automation, digital, and intelligent platform, integrates profound technical accumulation and professional wisdom of the team. We also provide superior product support and technical services for domestic and international clients, as well as provide customized solutions for end user.

KAMROO adheres to customer-oriented principle and guarantees system compatibility. We will continue to maintain the attitude and belief of concentration and ingenuity, adhering to safer, more reliable and smarter pipeline flow control technology and advanced design concepts to help you optimize the working application, improve the efficiency and save the costs.

With a flexible and open attitude, KAMROO listens to the voice of the market and embraces multiculturalism. KAMROO focuses on the construction of a global service system, and strives to become the preferred partner in the field of flow control. No matter where you are in the world, we look forward to keeping in close contact with you to understand your specific needs and provide precise services.



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API 6FA Cert



API 607 Cert



API 6D-1729



CE Cert



EAC Cert (CU-TR)



ISO 9001



ISO 14001



ISO 45001

QUALIFICATION CERTIFICATE



HALF LINING BUTTERFLY VALVE

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DESIGN STANDARDS	API 609, ASME B16.34, ASME B16.10, ISO 7005 etc.
SIZE RANGE	NPS2~NPS48, DN50~DN1200
NOMINAL PRESSURE	CLASS150
CONNECTION	Flange, Wafer, Lugged, etc.
MATERIALS	ASTM A216 WCB, ASTM A352 LCB, ASTM A351 CF8, ASTM A351 CF8M, ASTM A995 4A/5A/6A, A536 65-15-12/A536 60-40-18, UNS C95800, UNS C95500, etc.
APPLICABLE TEMPERATURE	-20°C~120°C
APPLICABLE MEDIUM	Water, Sea water, etc.
OPERATION	Lever, Gear, Pneumatic, Electric, Hydraulic, etc.

ANTI BLOW-OUT DESIGN

The unique valve stem design enhances the stability of the valve stem under high pressure environment, effectively preventing the valve stem from being blown out due to excessive internal pressure, ensuring safe and reliable operation of the valve.

CORROSION PROTECTION OF KEY PARTS

Half lining butterfly valves use high-quality corrosion-resistant materials (such as, rubber, EPDM, NBR, etc.) to line the key parts of the valve seat and disc that are in direct contact with the medium, effectively preventing medium corrosion and ensuring stable operation of the valve under harsh working conditions.

SELF-LUBRICATING SHAFT SLEEVE

The ultra-low friction coefficient self-lubricating sleeve significantly reduces the friction resistance between the stem and the sleeve, making the butterfly valve open and close more smooth and effort-saving, while reducing wear and extending service life.

BI-DIRECTIONAL PRESSURE BEARING CAPACITY

The bi-directional sealing design of half lining butterfly valve makes it keep excellent sealing performance whether under pressure from both positive and negative directions, which can meet the needs of various complex working conditions.

FLEXIBLE VALVE SEAT OPTIONS

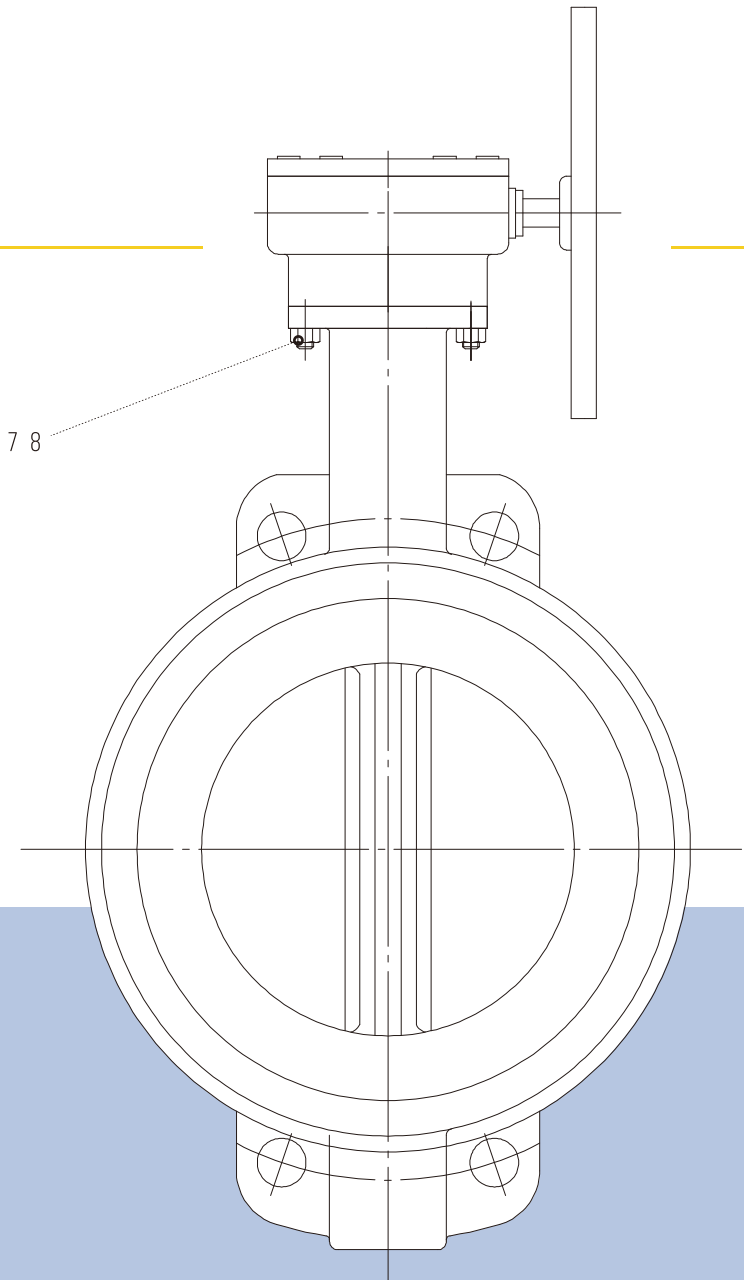
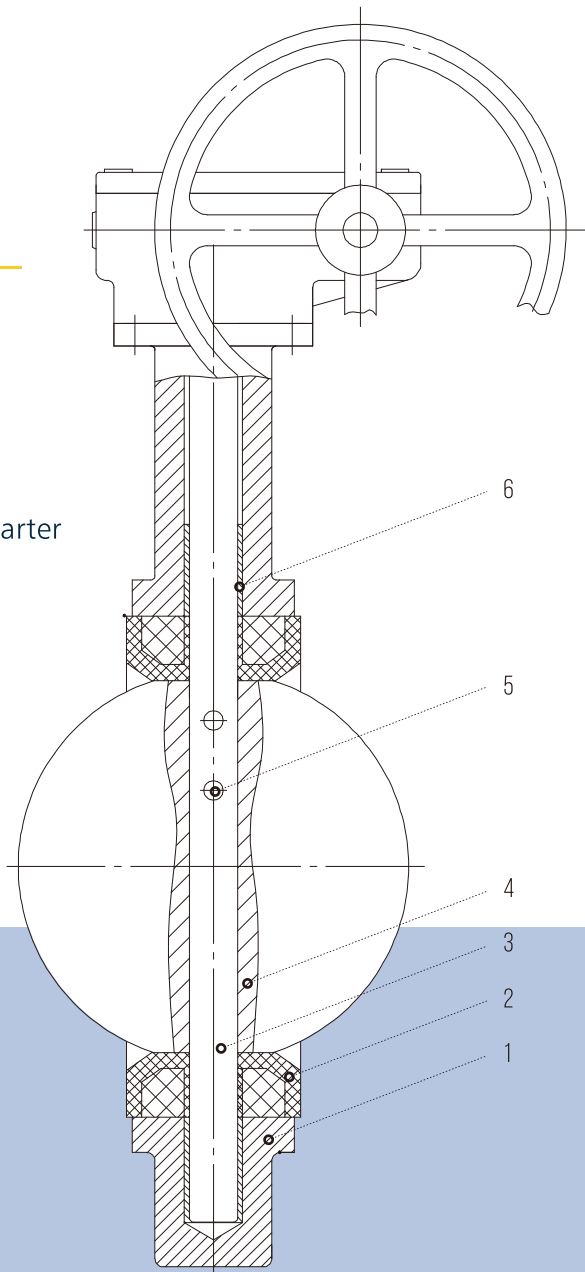
Valve seat options are available in a variety of materials, including rubber, EPDM, NBR, etc. to meet the corrosion resistance and fireproof requirements of different medium and working conditions.

INTERNATIONAL STANDARD TOP FLANGE

The ISO 5211 standard top flange ensures perfect connection with various actuators for easy integration and installation of automated control systems.



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No.	Part Name	Carbon Steel	Ductile Iron	Stainless Steel	Duplex Steel	Copper Alloy
1	Body	ASTM A216 WCB	ASTM A536 60-40-18	ASTM A351 CF8M	ASTM A995 4A	ASTM B148 C95800
2	Disc	EPDM	NBR	FKM	EPDM	EPDM
3	Shaft	ASTM A182 F6a	ASTM A182 F6a	17-4PH	ASTM A182 F51	Monel K500
4	Disc	ASTM A216 WCB	ASTM A536 60-40-18	ASTM A351 CF8M	ASTM A995 4A	ASTM B148 C95800
5	Pin	ASTM A276 410	ASTM A276 410	ASTM A276 304	ASTM A182 F51	Monel K500
6	Bushing	SF-1	SF-1	SF-1	SF-1	SF-1
7	Nuts	ASTM A194 2H	ASTM A194 2H	ASTM A194 8M	ASTM A194 8M	ASTM A194 8M
8	Bolts	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8M	ASTM A193 B8M	ASTM A193 B8M

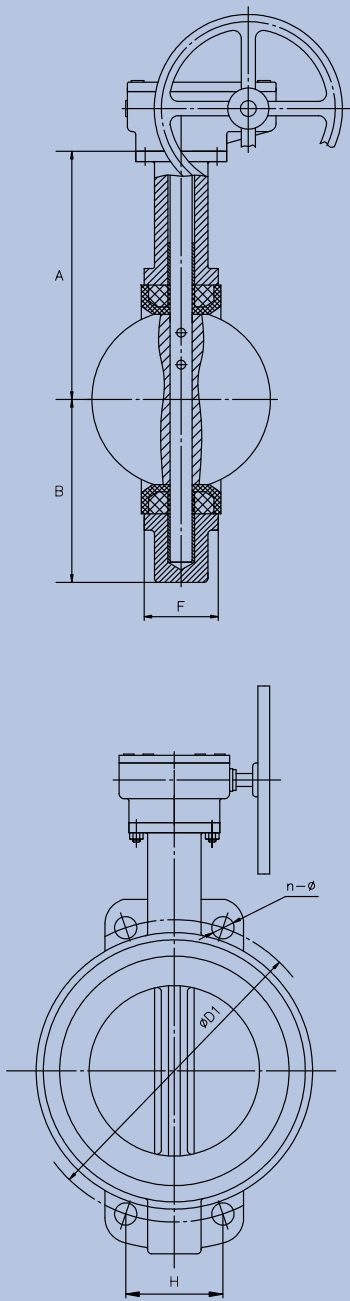
Optional Body Material:
WCC, A352 LCB/LCC, A351 CF8/CF3/CF3M, A890 5A/6A, B148 C95500/C93200, Alloy Steel ect..

CENTERLINED BUTTERFLY VALVE



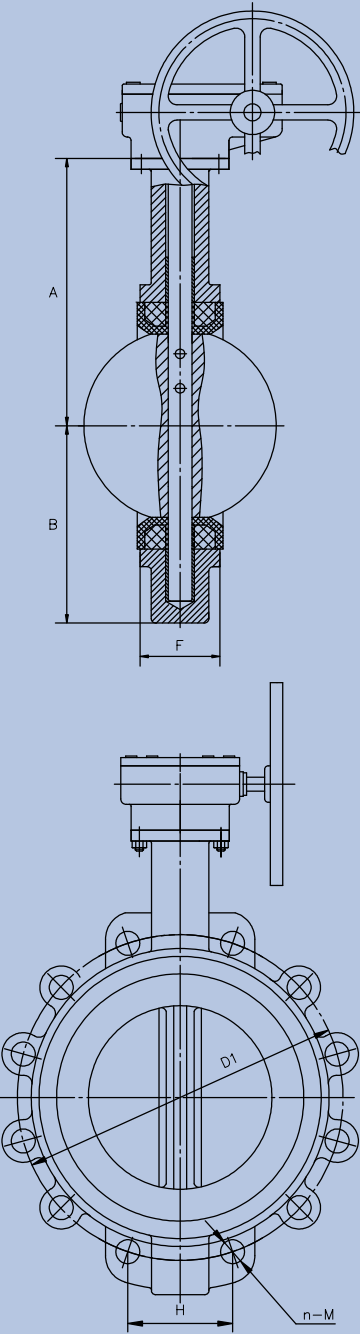
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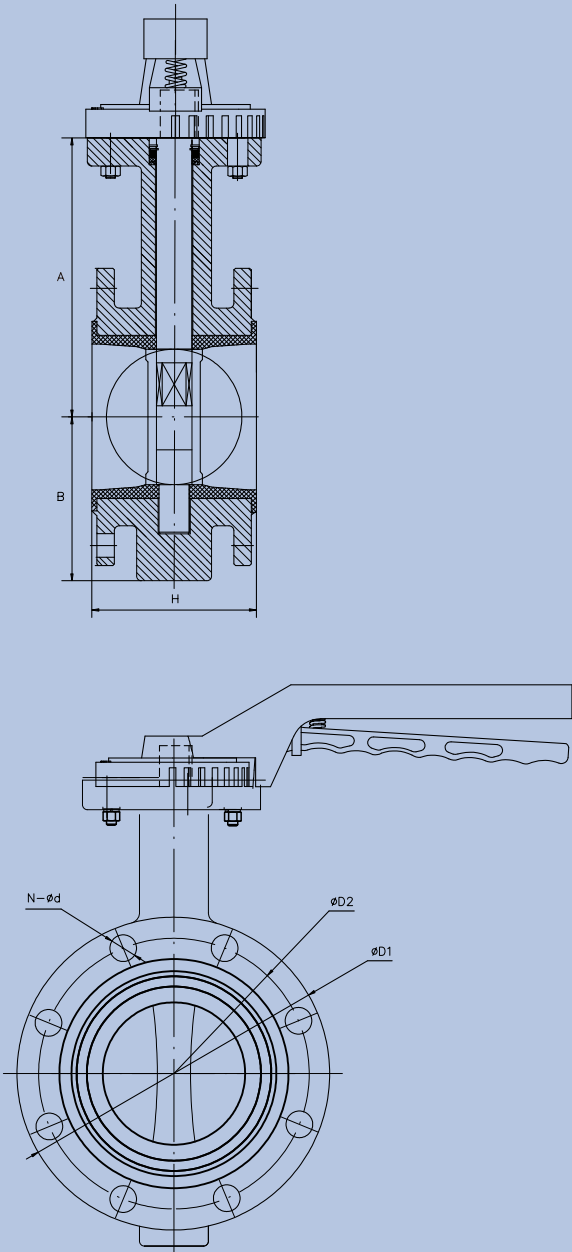
WAFER TYPE												
				PN10			PN16			150LB		
MM	A	B	F	H	D1	n-φ	H	D1	n-φ	H	D1	n-φ
DN50	115	68	43	84.84	120	4-23	84.84	120	4-23	84.84	120	4-23
DN65	132	78	46	96.2	136.2	4-26.5	96.2	136.2	4-26.5	96.2	136.2	4-26.5
DN80	135	91	46	61.23	160	8-18	61.23	160	8-18	61.23	160	8-18
DN100	162	108	52	70.8	185	4-24.5	70.8	185	4-24.5	70.8	185	4-24.5
DN125	176	123	56	82.28	215	4-23	82.28	215	4-23	82.28	215	4-23
DN150	190	135	56	91.08	238	4-25	91.08	238	4-25	91.08	238	4-25
DN200	230	165	60	112.89	295	4-25	112.89	295	4-25	112.89	295	4-25
DN250	220	200	68	92.4	357	4-29	92.4	357	4-29	92.4	357	4-29
DN300	305	237	78	105.34	407	4-29	105.34	407	4-29	105.34	407	4-29
DN350	340	260	78	91.11	467	4-30	91.11	467	4-30	91.11	467	4-30
DN400	400	310	102	100.47	515	4-28	100.47	515	4-28	100.47	515	4-28
DN450	420	330	114	88.39	565	4-28	88.39	565	4-28	88.39	565	4-28
DN500	465	370	127	96.99	620	4-28	96.99	620	4-28	96.99	620	4-28
DN600	530	440	154	113.42	725	20-31	113.42	725	20-31	113.42	725	20-31

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LUGGED TYPE												
				PN10			PN16			150LB		
MM	A	B	F	H	D1	n-M	H	D1	n-M	H	D1	n-M
DN50	115	74	43	88.38	125	4-M16	88.38	125	4-M16	88.38	125	4-M16
DN65	132	82	46	102.54	145	4-M16	102.54	145	4-M16	102.54	145	4-M16
DN80	135	92	46	61.23	160	8-M16	61.23	160	8-M16	61.23	160	8-M16
DN100	162	108	52	68.88	180	8-M16	68.88	180	8-M16	68.88	180	8-M16
DN125	176	123	56	80.36	210	8-M16	80.36	210	8-M16	80.36	210	8-M16
DN150	190	135	56	91.84	240	8-M20	91.84	240	8-M20	91.84	240	8-M20
DN200	230	166	60	112.89	295	8-M20	112.89	295	8-M20	112.89	295	8-M20
DN250	270	200	68	90.59	350	12-M20	90.59	350	12-M20	90.59	350	12-M20
DN300	305	238	78	103.52	400	12-M20	103.52	400	12-M20	103.52	400	12-M20
DN350	340	270	78	89.74	460	16-M20	89.74	460	16-M20	89.74	460	16-M20
DN400	400	310	102	100.47	515	16-M24	100.47	515	16-M24	100.47	515	16-M24
DN450	420	330	114	88.39	565	20-M24	88.39	565	20-M24	88.39	565	20-M24
DN500	465	367	127	96.99	620	20-M24	96.99	620	20-M24	96.99	620	20-M24
DN600	536	430	154	113.42	725	20-M27	113.42	725	20-M27	113.42	725	20-M27

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FLANGE TYPE												
				PN10			PN16			150LB		
MM	H	A	B	φD1	φD2	N-φd	φD1	φD2	N-φd	φD1	φD2	N-φd
DN50	108	120	80	165	125	4-φ19	165	125	4-φ19	152	120.6	4-φ19
DN65	112	145	75	185	145	4-φ19	185	145	4-φ19	178	139.7	4-φ19
DN80	114	130	90	200	160	4-φ19	200	160	8-φ19	191	152.4	4-φ19
DN100	127	165	115	220	180	4-φ19	220	180	8-φ19	229	190.5	8-φ19
DN125	140	180	110	250	210	4-φ19	250	210	8-φ19	254	215.9	8-φ22.4
DN150	140	190	150	285	240	4-φ23	285	240	8-φ23	279	241.3	8-φ22.4
DN200	152	240	160	340	295	4-φ23	340	295	12-φ23	343	298.4	8-φ22.4
DN250	165	260	195	395	350	4-φ28	405	355	12-φ28	406	361.9	12-φ25.4
DN300	178	300	220	445	400	4-φ28	460	410	12-φ28	483	431.8	12-φ25.4
DN350	190	330	245	505	460	4-φ28	520	470	16-φ28	533	476.2	12-φ28.4
DN400	216	370	267	565	515	4-φ31	580	525	16-φ31	597	539.5	16-φ29
DN450	222	400	300	615	565	4-φ31	640	585	20-φ31	635	578	16-φ32
DN500	229	500	390	670	620	4-φ34	715	650	20-φ34	699	635	20-φ32
DN600	267	522	413	780	725	4-φ37	840	770	20-φ37	813	749.5	20-φ35
DN700	292	570	480	895	840	4-φ37	910	840	24-φ37	927	863.6	28-φ35
DN750	308	610	490							984	914.5	28-φ35
DN800	318	630	515	1015	950	4-φ40	1025	950	24-φ40	1060.5	977.9	28-φ41
DN900	330	690	560	1115	1050	4-φ40	1125	1050	28-φ40	1168	1086	32-φ41
DN1000	410	745	635	1230	1160	4-φ43	1255	1170	28-φ43	1289	1200.2	36-φ41
DN1050	410	858	757							1346	1257.5	36-φ41
DN1200	470	925	775	1455	1380	4-φ49	1485	1390	32-φ49	1511	1422.5	44-φ41
DN1300	490	990	890							1625.6	1536.7	44-φ48
DN1400	530	1022	905	1675	1590	4-φ49	1685	1590	36-φ49	1746.3	1651	48-φ48
DN1500	570	1050	1000							1854	1759	52-φ51
DN1600	600	1150	1020	1915	1820	4-φ56	1930	1930	40-φ56			
DN1800	670	1200	1126	2115	2020	4-φ56	2130	2130	44-φ56	2197	2096	60-φ51
DN2000	760	1363	1320	2325	2230	4-φ62	2345	2345	48-φ62			
DN2200	800	1500	1500	2550	2440	4-φ62	2555	2555	52-φ62			