



Contributing to safer and smarter pipe network flow control

Floating Ball Valve

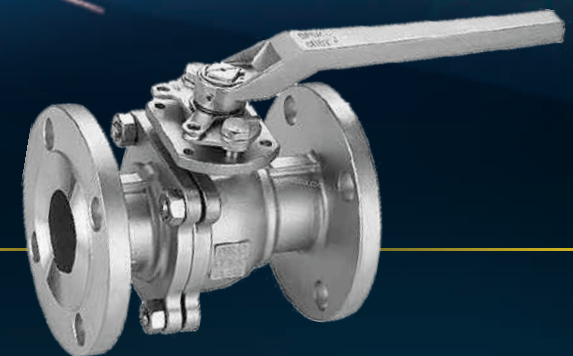
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EST.2012

BRIEF INTRODUCTION

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.

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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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API607 Cert



API 641 Cert



API 6D cert



CE Cert



EAC Cert

QUALIFICATION CERTIFICATE



ISO 15848-1



ISO 14001:2015



ISO 45001:2018



ISO 9001:2015



FLOATING BALL VALVE

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DESIGN STANDARDS	API6D, API 608, ASME B16.34, ASME B16.5, API 607, API641etc.
SIZE RANGE	NPS1/2~NPS6, DN15~DN150
NOMINAL PRESSURE	CLASS150~CLASS2500
CONNECTION	RF, RTJ, BW, SW, NPT,etc.
MATERIALS	ASTM A105, ASTM A216 WCB, ASTM A352 LCB, ASTM A350 LF2 , ASTM A351 CF8, ASTM A182 F304, ASTM A351 CF8M, ASTM A182 F316, A995 4A etc.
APPLICABLE TEMPERATURE	-29℃~180℃
APPLICABLE MEDIUM	Water, Steam, Oil, Gas etc.
OPERATION	Lever, Gear, Pneumatic, Electric, etc.

TIGHT INTERNAL LEAKAGE SEAL

internal leakage meets the requirements of API 598 bidirectional sealing; the valve is not restricted by on-site installation conditions and can be installed in any direction.

RELIABLE EXTERNAL LEAKAGE SEAL

External leakage meets the requirements of ISO 15848 and TA-LUFT, and can be used in toxic and harmful media conditions.

FIREPROOF STRUCTURE DESIGN

With a unique fireproof structure, even if the soft sealing valve seat is burned due to fire inside the pipeline, the ball is in close contact with the metal structure, which can still prevent the fire from spreading further.

RAPID OPENING AND CLOSING

The valve has a 1/4 switch characteristic and has fast response and tight shutoff functions.

ANTI-STATIC DESIGN

The valve body, ball, valve stem and other metal parts of the valve are in close contact to form a complete electrostatic conduction circuit, so that the static electricity generated in various parts can be discharged in time, avoiding the risk of failure caused by local static electricity concentration.

ANTI-BLOWOUT STEM DESIGN

The valve stem structure adopts an anti-flying step design. Even if the packing gland is loosened, the valve stem will not fly out due to internal pressure and cause a safety accident.

DYNAMIC PACKING LOADING DESIGN

provides continuous preload for packing, compensating for fluctuations in pressure and temperature and wear of packing.

DIVERSIFIED OPERATION MODES

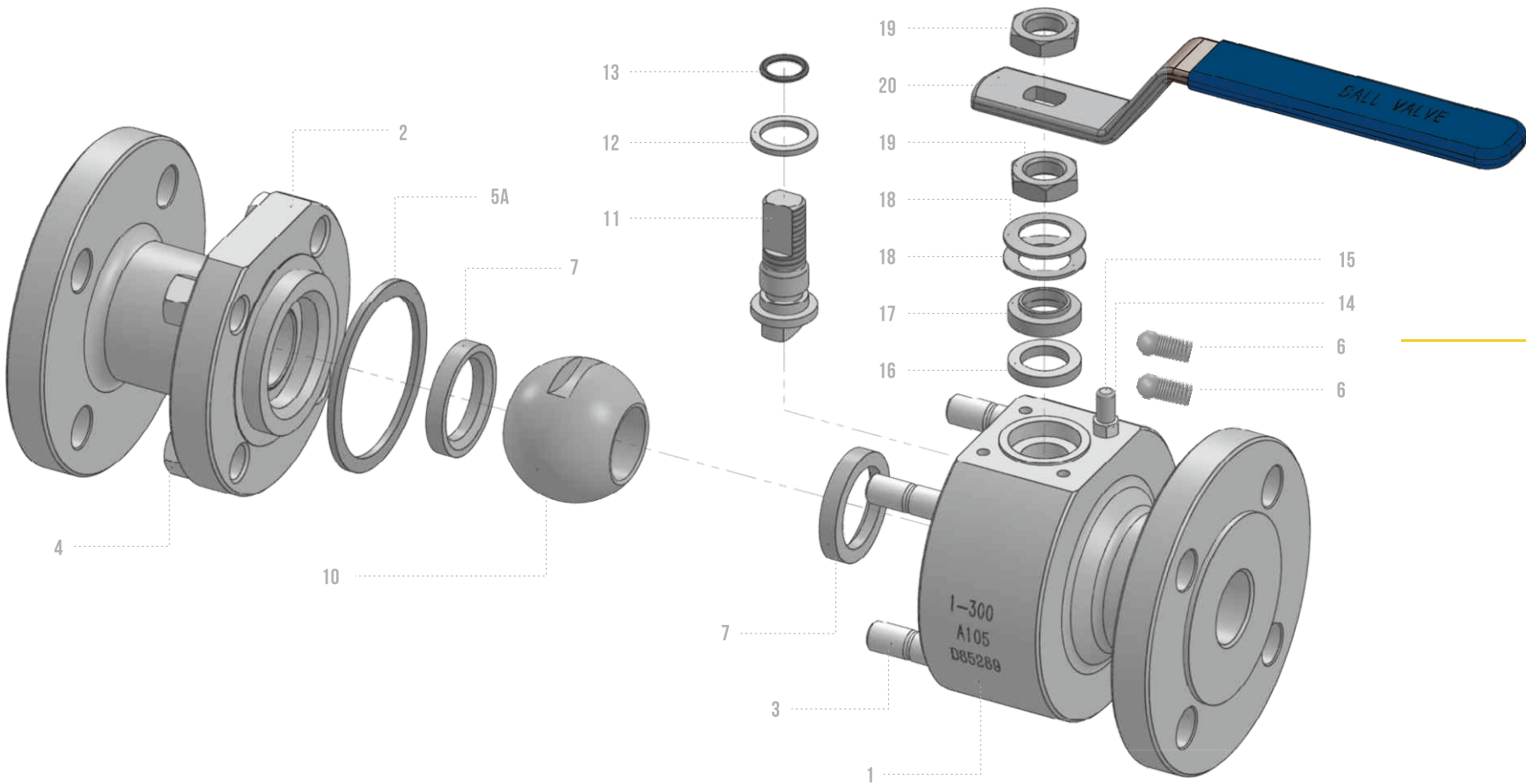
The valve adopts a universal design and can be adapted to various types of actuators such as manual, start-up, electric, and hydraulic according to requirements.

OTHERS

Structural design such as central cavity relief, insulation jacket, diameter reduction, etc.



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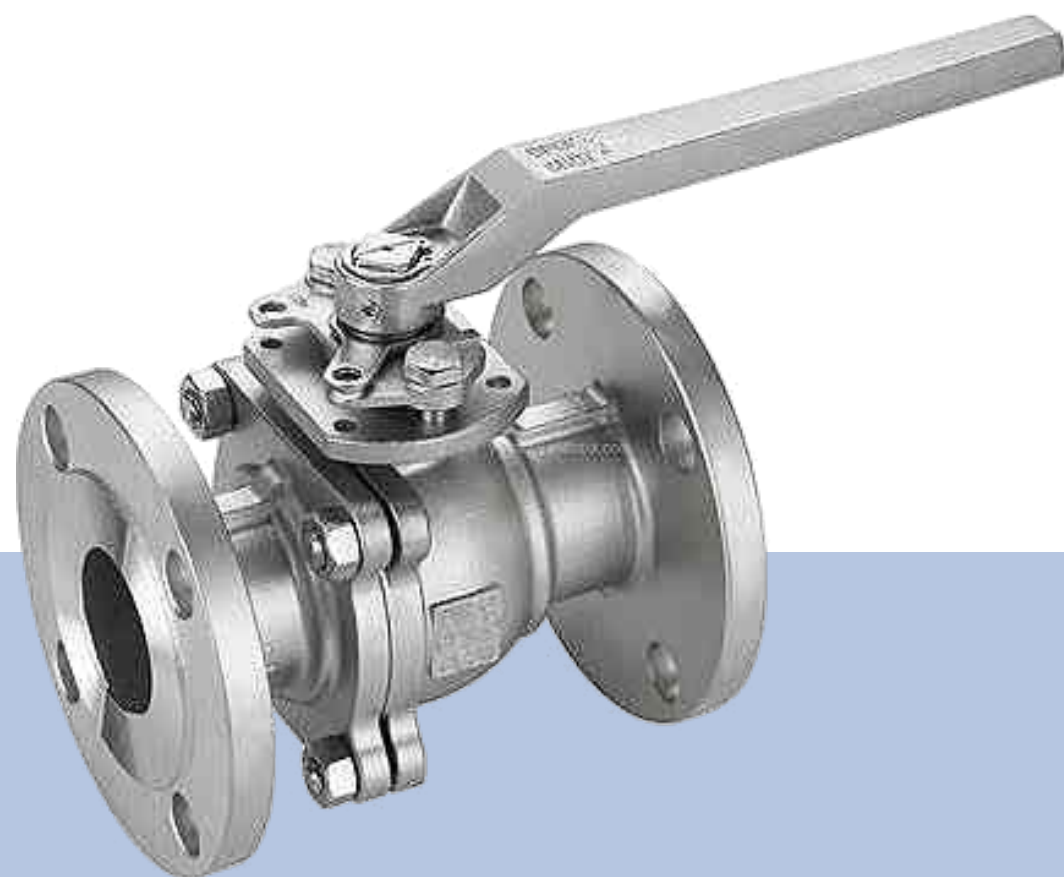


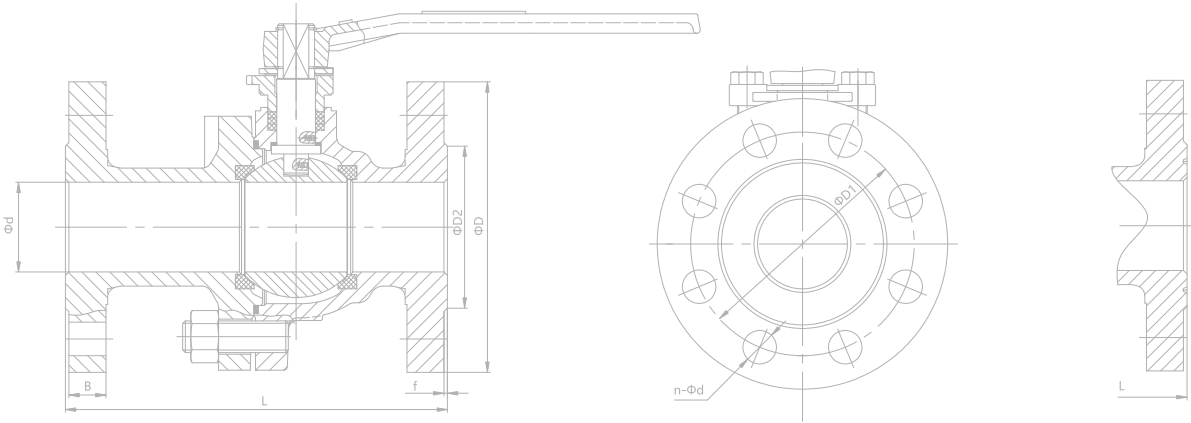
		CAST STEEL		FORGED STEEL		METAL SEAT	
No.	Part Name	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel
1	Body	ASTM A216 WCB	ASTM A351 CF8M	ASTM A105N	ASTM A182 F316	ASTM A216 WCB	ASTM A182 F316
2	Bonnet	ASTM A216 WCB	ASTM A351 CF8M	ASTM A105N	ASTM A182 F316	ASTM A216 WCB	ASTM A182 F316
3	Studs	ASTM A193 B7	ASTM A193 B8M	ASTM A193 B7	ASTM A193 B8M	ASTM A193 B7	ASTM A193 B8M
4	Nut	ASTM A194 2H	ASTM A194 8M	ASTM A194 2H	ASTM A194 8M	ASTM A194 2H	ASTM A194 8M
5a	Gasket	SPW SS304+GRAPHITE	SPW SS316+GRAPHITE	SPW SS304+GRAPHITE	SPW SS316+GRAPHITE	SPW SS304+GRAPHITE	SPW SS316+GRAPHITE
6	Anti-static Device	SS304+Spring	SS316+Spring	SS304+Spring	SS316+Spring	SS304+Spring	SS316+Spring
7	Seat	PTFE	PTFE	PTFE	PTFE	A182 F304+TCC	A182 F316+TCC
10	Ball	ASTM A105+ENP	ASTM A182 F316	ASTM A105+ENP	ASTM A182 F316	A182 F304+TCC	A182 F316+TCC
11	Stem	ASTM A276 410	ASTM A182 F316	ASTM A276 410	ASTM A182 F316	ASTM A276 410	ASTM A182 F316
12	Bushing	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
13	O-ring	VITON AED	VITON AED	VITON AED	VITON AED	VITON AED	VITON AED
14	Nut	ASTM A194 2H	ASTM A194 8M	ASTM A194 2H	ASTM A194 8M	ASTM A194 2H	ASTM A194 8M
15	Limit Bolt	ANSI 1045	ANSI 316	ANSI 1045	ANSI 316	ANSI 1045	ANSI 316
16	Packing Ring	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
17	Gland	ANSI 304	ANSI 316	ANSI 304	ANSI 316	ANSI 304	ANSI 316
18	Belleville Spring	17-7PH	Inconel-X750	17-7PH	Inconel-X750	17-7PH	Inconel-X750
19	Locking Nut	ANSI 1020	ANSI 316	ANSI 1020	ANSI 316	ANSI 1020	ANSI 316
20	Handle	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel

Optional Body/Bonnet Material:
A216 WCB/WCC, A352 LCB/LCC, A351 CF8/CF3/CF8M/CF3M, A890 4A/5A/6A, B148 C95800, Alloy Steel ect..

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FLOATING BALL VALVE





Remark: "/" in tablet are non-standard size, please confirm with KAMROO

CLASS 150

NPS	D	D1	D2	d	B	L		f	n-Φd
						RF			
1/2	89	60.5	35.1	15	9.7	108		1.5mm	4-16
3/4	99	69.8	42.9	20	11.2	117			4-16
1	108	79.2	50.8	25	12.7	127			4-16
1 1/4	117	88.9	63.5	32	14.2	140			4-16
1 1/2	127	98.6	73.0	40	15.9	165			4-16
2	152	120.6	91.9	50	17.5	178			4-19
2 1/2	178	139.7	104.6	65	20.6	190			4-19
3	190	152.4	127.0	80	22.4	203			4-19
4	229	190.5	157.2	100	22.4	229			8-19
5	254	215.9	185.7	125	22.4	/			8-22.5
6	279	241.3	215.9	150	23.9	394			8-22.5

CLASS 300

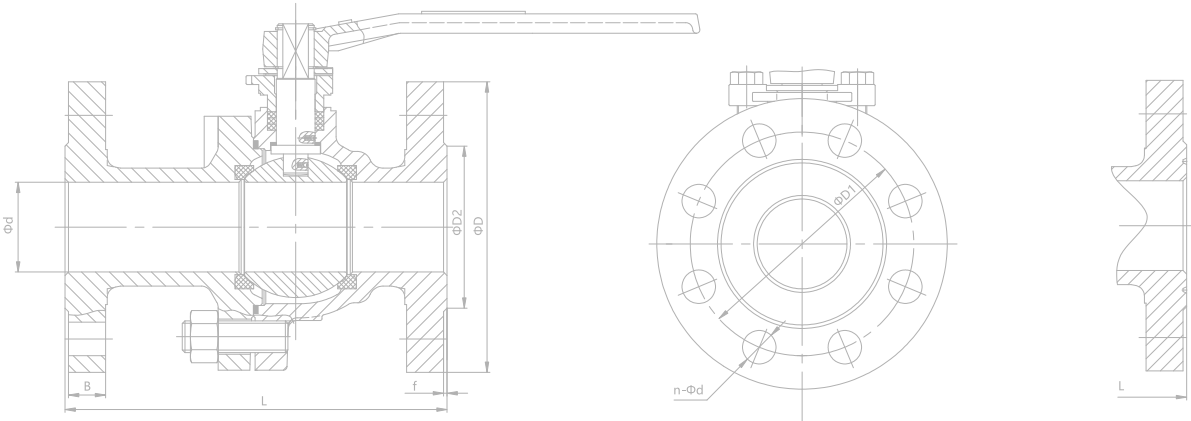
NPS	D	D1	D2	d	B	L		f	n-Φd
						RF			
1/2	95	66.5	35.1	15	12.7	140	151	1.5mm	4-16
3/4	117	82.6	42.9	20	14.2	152	165		4-19
1	124	88.9	50.8	25	15.7	165	178		4-19
1 1/4	133	98.6	63.5	32	17.5	178	191		4-19
1 1/2	155	114.3	73.0	40	19	190	203		4-22.5
2	165	127.0	91.9	50	20.6	216	232		8-19
2 1/2	190	149.4	104.6	65	23.9	241	257		8-22.5
3	210	168.1	127.0	80	26.9	282	298		8-22.5
4	254	200.2	157.2	100	30.2	305	321		8-22.5
5	279	235.0	185.7	125	33.3	/	/		8-22.5
6	318	269.7	215.9	150	35.1	403	419		12-22.5

CLASS 600

NPS	D	D1	D2	d	B	L		f	n-Φd
						RF			
1/2	95	66.5	35.1	15	14.2	165	163	6.4mm	4-16
3/4	117	82.6	42.9	20	15.7	190	190		4-19.05
1	124	88.9	50.8	25	17.5	216	216		4-19.05
1 1/4	133	98.6	63.5	32	20.6	229	229		4-19.05
1 1/2	155	114.3	73.0	40	22.4	241	241		4-22.5
2	165	127.0	91.9	50	25.4	292	295		8-19
2 1/2	190	149.4	104.6	65	28.4	330	333		8-22.5
3	210	168.1	127.0	80	31.8	356	359		8-22.5
4	273	215.9	157.2	100	38.1	432	435		8-25.5
5	330	266.7	185.7	125	44.4	/	/		8-28.5
6	356	292.1	215.9	150	47.8	559	562		12-28.5

CLASS 900

NPS	D	D1	D2	d	B	L		f	n-Φd
						RF			
1/2	121	82.6	35.1	15	22.4	/	/	6. 4mm	4-22.5
3/4	130	88.9	42.9	20	25.4	/	/		4-22.5
1	149	101.6	50.8	25	28.4	254	254		4-25.5
1 1/4	159	111.1	63.5	32	28.4	279	279		4-25.5
1 1/2	178	124.0	73.0	40	31.8	305	305		4-28.5
2	216	165.1	91.9	50	38.1	368	271		8-25.5
2 1/2	244	190.5	104.6	65	41.1	419	422		8-28.5
3	241	190.5	127.0	80	38.1	381	384		8-25.5
4	292	235	157.2	100	44.5	457	460		8-32
5	349	279.4	185.7	125	50.8	/	/		8-35
6	381	317.5	215.9	150	55.6	610	613		12-32



CLASS 1500

						L			
NPS	D	D1	D2	d	B	RF		f	n-Φd
1/2	121	82.6	35.1	15	22.4	/	/	6.4mm	4-22.5
3/4	130	88.9	42.9	20	25.4	/	/		4-22.5
1	149	101.6	50.8	25	28.4	/	/		4-25.5
1 1/4	159	111.1	63.5	32	28.4	/	/		4-25.5
1 1/2	178	124.0	73.0	40	31.8	/	/		4-28.5
2	216	165.1	91.9	50	38.1	368	371		8-25.5
2 1/2	244	190.5	104.6	65	41.1	419	422		8-28.5
3	267	203.2	127.0	80	47.8	470	473		8-32
4	311	241.3	157.2	100	53.8	546	549		8-35
5	375	292.1	185.7	125	73.2	/	/		8-41.5
6	394	317.5	215.9	150	82.6	705	711		12-38

CLASS 2500

						L			
NPS	D	D1	D2	d	B	RF		f	n-Φd
1/2	133	88.9	35.1	15	30.2	/	/	6.4mm	4-22.5
3/4	140	95.2	42.9	20	31.8	/	/		4-22.5
1	159	108	50.8	25	35.1	/	/		4-25.5
1 1/4	184	130	63.5	32	38.1	/	/		4-28.5
1 1/2	203	146	73.0	40	44.4	/	/		4-32
2	235	171.4	91.9	50	50.8	451	454		8-28.5
2 1/2	267	196.8	104.6	65	57.2	508	514		8-32
3	305	228.6	127.0	80	66.5	578	584		8-35
4	356	273	157.2	10	76.2	673	683		8-41.5
5	419	323.8	185.7	125	91.9	/	/		8-47.5
6	483	368.3	215.9	150	108	914	927		8-54