

Fire Proof And Low Fugitive Emission Ball Valve

Description:

- Suitable for pipelines that deliver flammable, explosive, corrosive, highly toxic, and radioactive medium, and all that requires fire safe and low fugitive working conditions.

SIZE	D	L	W	H	H1	H2	F	M	N	ISO5211
1/4"	10	50	141	72	39	9	9	36	42	F03/04
3/8"	10	60	141	72	39	9	9	36	42	F03/04
1/2"	15	75	141	75	41.5	9	9	36	42	F03/04
3/4"	20	80	141	80	47	9	9	36	42	F03/04
1"	25	86	162	90	53.5	11	11	42	50	F04/05
1-1/4"	32	110	162	98	60.5	11	11	42	50	F04/05
1-1/2"	38	120	188	113	74	14	14	50	70	F05/07
2"	50	140	188	122	82.5	14	14	50	70	F05/07

Main Features:

- Fire safe performance, API 607 certificate is available.
- Low fugitive emission, API 641 certificate is available.
- ISO standard top flange, electrical/pneumatic actuators could be equipped.
- 3-piece body design, online maintenance could be realized.
- High working pressure: 2000psi for 1/4"-1", 1500psi for 1-1/4"-2".
- Working temperature: -29°C~160°C for PTFE seated type, -29°C~530°C for metal seated type.
- Antistatic device.

NO.	Item	Material
1	Body	CF8M
2	Cap	CF8M
3	Ball	F316
4	Stem	F316
5	Seat	PTFE/RPTFE
6	Gasket	Flexible Graphite
7	Gasket	PTFE
8	O-Ring	VITON
9	Stem Packing	Flexible Graphite
10	Gasket	RPTFE
11	Packing Gland	304
12	Spring Washer	SS301
13	Nut	A2-70
14	Locking Washer	304
15	Steel Washer	304
16	Nut	A2-70
17	Handle	304
18	Handle Cover	PVC
19	Nut	A2-70
20	Bolt	A2-70
21	Spring Washer	304
22	Nut	A2-70
23	Steel Washer	304
24	Screws	A2-70

More Valves



QINGDAO I-FLOW CO.,LTD.

Tel: +86 532-66952179 / +86 532-66952180 E-mail: iflowvalves@qdiflow.com Web: www.iflowvalves.com

I-FLOW's Customized Solutions as your NEEDS

- ◆ I-FLOW supplies a complete range of gate valves, swing check valves, counter flanges and accessories for the delayed coking unit (DCU) and tar-deasphalting unit (SDA) on Turkmenbashi Complex of Oil Refineries.
- ◆ Our products cover pressure ranges from PN16 to PN160 and sizes from DN15 to DN700, with flange faces including MF, TG, and RTJ, etc.
- ◆ This project will allow producing up to 900 thousand tons per year of product at the ultrasonic testing unit and up to 500 thousand tons per year – at the SDA installation.
- ◆ I-FLOW is committed to providing customized solutions that align perfectly with your unique requirements. Let's discuss how we can support your objectives with our bespoke offerings.



QINGDAO I-FLOW CO.,LTD.

TEL: +86 532-66952179 / +86 532-66952180

WEB: WWW.IFLOWVALVES.COM

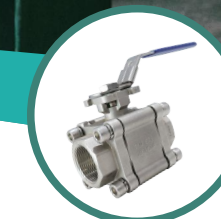
E-MAIL: IFLOWVALVES@QDIFLOW.COM

FACTORY: NO.15, JINSHAJIANG ROAD, TONGJI STREET, JIMO DISTRICT, QINGDAO, CHINA

SALES OFFICE: UNIT 1517-1520, BUILDING 4, EXCELLENCE CENTURY CENTER, NO. 31

LONGCHENG ROAD, QINGDAO, CHINA

INDUSTRIAL VALVE



QINGDAO I-FLOW CO.,LTD.

TEL: +86 532-66952179 / +86 532-66952180

E-MAIL: IFLOWVALVES@QDIFLOW.COM WEB: WWW.IFLOWVALVES.COM

Bellow Globe Valves for Thermal Oil and Steam System

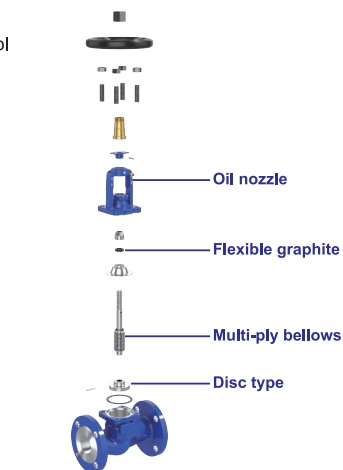
Description:

- Applicable for systems that require high seal performance, such as steam, thermol oil, toxic gas, etc.
- Bellow could effectively prevent external leakage, suitable for strong permeability medium like hydrogen transportation.
- Short stem travel for opening/closing valve.
- Both on/off and regulating disc could be chosen.
- No fluid loss, reduces energy loss, improve equipment safety.
- Materials available in ductile iron, cast steel, stainless steel.
- Working pressure available in PN16, PN25, PN40, PN64, PN100.

Technical Specifications:

- Design Standard: EN 13789 (DIN 3356)/EN13709.
- Face to Face Dimensions: EN 558-1 Basic Series 1.
- Flange Dimensions: EN 1092-2.
- Testing Standard EN 12266.

PART	Cast Iron	Carbon Steel	Alloy Steel	Austenitic Stainless Steel	
TEMP	10°C ~ 300°C	-10°C ~ 400°C	-10°C ~ 530°C	-60°C ~ 300°C	
BODY	GGG40	GS-C25(1.0619)	WC6 (1.7357)	CF8(1.4308)	CF8M(1.4408)
DISC	SS420 WCB +13Cr	C22.8	1.7357	F304	F316
SEAL FACE	SS304	13Cr	Stellite	17Cr	Stellite
PIN	SS304	SS304	SS304	SS304	SS304
BELLOW	SS304	SS304	SS316L	SS304	SS316L
COVER	GGG40	GS-C25(1.0619)	1.7357	CF8(2C1)	CF8M(2C2)
PACKING	Graphite	FLEXIBLE GRAPHITE	FLEXIBLE GRAPHITE	GRAPHITE /PTFE	FLEXIBLE GRAPHITE/PTFE
STEM	SS420	X20Cr13	X20Cr13	F304	F316



PART	MATERIAL
BODY	GGG40,GS-C25(1.0619),CF8, CF8M
DISC	SS420,WCB+13Cr,F304,F316
SEAL FACE	SS304,13Cr,Stellite
PIN	SS304
BELLOW	SS304,SS316L
COVER	GGG40,GS-C25(1.0619),CF8,CF8M
PACKING	GRAPHITE,FLEXIBLE GRAPHITE/PTFE
STEM	SS420,X20Cr13,F304,F316

Dimensions:

DN	L	H (close)	Stroke	Weight(kg)			Kv
				Pn16	Pn25	Pn40	
15	130	200	7	4	4	4	4.6
20	150	202	7	4.6	4.6	4.6	8.0
25	160	205	9	5.5	5.5	5.5	13.2
32	180	208	9	7.5	7.5	7.5	21.0
40	200	230	13	9.0	9.0	9.0	33.0
50	230	235	13	11.1	11.1	11.1	51.0
65	290	245	19	17.3	17.9	17.9	83.0
80	310	267	22	23.0	24.2	24.2	133.0
100	350	350	27	35.0	37.0	37.0	205.0
125	400	380	32	52.0	57.8	59.8	315.0
150	480	410	40	72.0	77.2	80.2	454.0
200	600	550	55	150.0	165.0	174.0	780.0
250	730	730	70	225.0	247.0	267.0	1285.0
300	850	800	80	320.0	348.0	378.0	1805.0
350	980	950	90	600.0	650.0	700.0	2225.0
400	1100	1030	105	820.0	920.0	1020.0	2906.0

For more needs, kindly contact with info@qdiflow.com

Temperature/Pressure Chart:

Material: 1.0619

PN	RA	50°C	100°C	150°C	200°C	250°C	300°C	350°C	375°C	400°C
16	15.6	14.9	13.6	12.7	11.4	10.4	9.4	8.8	8.6	8.4
25	4.4	23.2	21.3	19.8	17.8	16.2	14.7	13.7	13.5	13.2
40	39	37.2	34.1	31.7	28.4	26.0	23.5	21.9	21.6	21.1

Refer to EN12516

Triple Eccentric Butterfly Valve

Description:

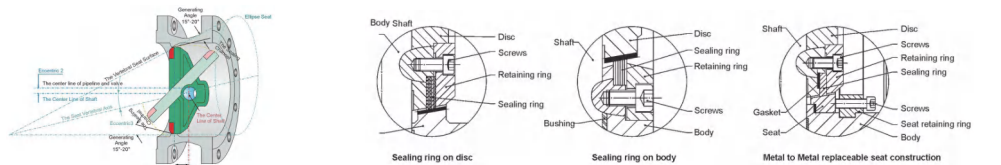
- Applicable to harsh working condition such as high temperature, high pressure and corrosive conditions.
- High performance triple eccentric sealing system.
- Laminated seat valve :Zero leakage sealing in bi-directional (As per DIN class I or ANSI Class VI).
- Integral seat valve: Bi-directional tight sealing (As per ANSI Class V).
- Excellent isolation and control function for gas and liquid.
- Welded stainless steel or stellite body seat is specially designed for long service life.
- No friction, wear and stagnation on the seat during the opening and closing(Compression only).
- The seal ring is easy to be replaced and adjusted.
- The metal to metal seal ring is suitable for +600°C.
- Self-compensating for temperature variances.
- Low operation torque and reliable shut off torque.
- Natural fire safe design.

Technical Specifications:

- Design Standard: API609、EN593、ISO10631
- Face to Face Dimensions: GB/T12221、ISO5752、API609、EN558
- Flange Dimensions: GB/T9113、ASME B16.5、ASME B16.47、EN1092-1
- Testing Standard: GB/T13927、API598、EN12266-1 ISO5208

The Principle of Triple Eccentric:

- Eccentric 1: The shaft is placed behind the seat center line, so that the sealing ring can closely contact the whole seat.
- Eccentric 2: The center line of shaft is deviated from the center line of the pipeline and valve, so that it can avoid the interference of valve opening and closing.
- Eccentric 3: Seat cone axis is deviated from the center line of the valve shaft, so the friction can be eliminated during the closing and opening process, and realizes the uniform compression sealing around the entire seat.



Supply Scope:

- Nominal Diameter: 2"-160" (DN50-4000).
- Nominal Pressure: 150LB-600L8 (PN6-100) .
- Suitable Temperature: -180°C—+700°C .
- Connection: Wafer, Lug, Flange.
- Applicable Medium: fresh water, sea water,air, almost of the chemicals and all kinds of corrosive medium.

PART	MATERIAL
BODY	DUCTILE IRON, WCB, LCB, WC6, WC9, CF8, CF3, CF8M, CF3M
DISC	DUCTILE IRON, CF8, CF3, CF8M, CF3M
SEALING RING	SS304, S316, STL, 13Cr
METAL SEALING RING	SS304, S316, 13Cr, SS316L, F51
NONMETALLIC SEALING RING	PTFE, RPTFE, GRAPHITE
STEM	SS304, SS316, 13Cr, SS316L, F51

DN	L	Flange Dimensions					Overall Dimensions					Dimensions of Top Flange				Weight (kg)
		D	D1	D2	f	b	Z-Ød	H0	H	A	B	G	ISO5211	d0	h	
50	108	165	125	102	3	18	4-Ø18	82.5	195	50	144	180	F07	16	35	16
65	112	185	145	122	3	18	8-Ø18	92.5	215	50	144	180	F07	16	35	17
80	114	200	160	138	3	20	8-Ø18	100	215	50	144	180	F07	16	40	19
100	127	220	180	158	3	20	8-Ø18	110	235	50	144	180	F07	18	40	21.5
125	140	250	210	188	3	22	8-Ø18	125	290	63	200	300	F10	22	50	35
150	140	285	240	212	3	22	8-Ø22	180	310	63	200	300	F10	25	50	45
200	152	340	295	268	3	24	12-Ø22	202	360	63	200	300	F10	25	50	60
250	165	405	355	320	3	26	12-Ø26	235	395	80	230	350	F12	35	70	75
300	178	460	410	378	4	28	12-Ø26	265	425	80	230	350	F12	35	70	110
350	190	520	470	438	4	30	16-Ø26	305	475	125	260	400	F14	45	90	160
400	216	580	525	490	4	32	16-Ø30	335	520	125	260	400	F16	50	100	210
450	222	640	585	550	4	40	20-Ø30	365	550	125	260	400	F16	50	100	241
500	229	715	650	610	4	44	20-Ø33	405	610	125	370	400	F16	50	100	350
600	267	840	770	725	5	54	20-Ø36	445	685	160	398	500	F25	60	120	510
700	292	910	840	795	5	40	24-Ø36	520	725	200	418	600	F30	80	130	730
800	318	1025	950	900	5	42	24-Ø39	605	795	200	418	600	F30	90	130	1030
900	330	1125	1050	1000	5	44	28-Ø39	655	885	263	510	700	F30	100	170	1349
1000	410	1255	1170	1115	5	46	28-Ø42	715	950	263	510	700	F35	100	170	1560
1200	470	1485	1390	1330	5	52	32-Ø48	840	1125	333	550	800	F35	120	200	2315
1400	530	1685	1590	1530	5	58	36-Ø48	980	1275	333	550	800	F40	140	200	2900
1600	600	1930	1820	1750	5	64	40-Ø56	1125	1470	374	590	900	F48	160	230	3500
1800	670	2130	2020	1950	5	68	44-Ø56	1240	1585	374	590	900	F48	180	230	4970
2000	760	2345	2230	2150	5	70	48-Ø62	1380	1720	453	635	1000	F60	200	250	7315

Steam Trap

A steam trap is an automatic valve that allows condensate, air, and other non-condensable gases (CO2) to be discharged from the steam system while holding or trapping the steam in the system. Steam Traps separate out the condensate from the mixture.

TYPE	MODEL	CONNECTION	SIZE	MATERIAL	MAX TEMP
Free Floating Ball Type Steam Trap	CS11H	Threaded	15-50mm	WCB,WC6	350°C
	CS41H	Flange	15-50mm	WCB	350°C
Thermodynamic Disc Steam Trap	CS19H	Threaded	15-50mm	WCB	350°C
	CS49H	Flange	15-100mm	WCB	350°C
Bimetal Strip Type Steam Trap	CS69H	SW	15-50mm	WCB	350°C
	CS17H	Threaded	15-50mm	A105	220°C
Inverted Bucket Steam Trap	CS47H	Flange	15-50mm	A105	220°C
	CS67H	SW	15-50mm	A105	220°C
High-temperature/-pressure Disc Type Steam Trap	L883 L885	Threaded	15-25mm	WCB	350°C
	L883F L885F	Flange	32-50mm	WCB	350°C
Lever Ball Float Type Steam Trap	HRW150	Flange, SW	15-50mm	F22,WC6	500°C
	LFT14	Threaded	15-50mm	WCB	350°C
	LFT44	Flange	15-100mm	WCB	350°C

For more types, kindly check with info@qdiflow.com

Trap Types

