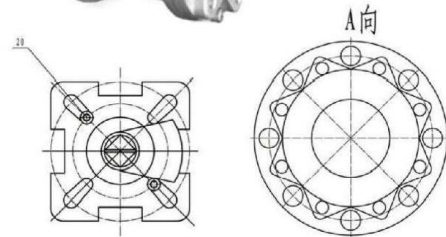


Ball Valve

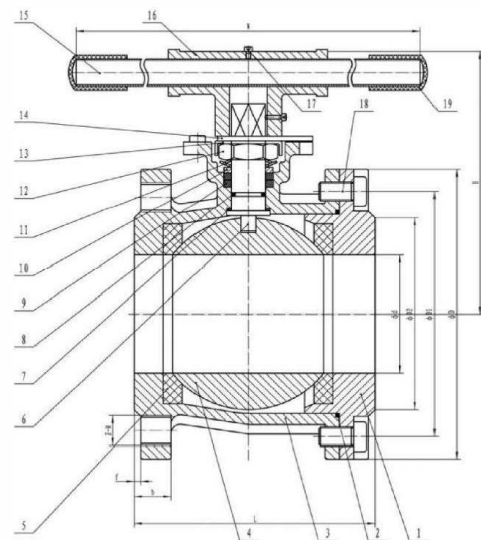
1PC WAFER DIN BALL VALVE(QF103MF)

FEATURES

- ◆PN16 Full Port
- ◆Investment Casting
- ◆Blow out- Proof Stem design
- ◆ISO5211 Mounting Pad Antistatic device
- ◆PED97/23/EC (CE0035) Approved
- ◆Design:EN12516
- ◆End Flange:DIN2543
- ◆Inspection Testing:EN12266



ITEM	DESIGNATION	ITEM	MATERIAL
1	CAP	1	CF8M/CF8
2	CASKET	1	PTFE
3	BODY	1	CF8M/CF8
4	BALL	1	316
5	SEAT	1	RPTFE
6	STEM	1	316/304
7	THRUSH WASHER	1	PTFE
8	O-TING	1	VITON
9	PACKING	1	PTFE
10	PIKG	1	304
11	BELLEYLLE WASHER	1	301
12	NUT	1	304
13	NUT STOPPER	1	304
14	LOCK DEVICE	1	304
15	HANDLE	1	304
16	SLEEVE	1	304
17	FACKSCREW	1	304
18	BOLT	16	304
19	PLASTIC COVER	2	PLSTIC
20	STOP PLATE	2	304



ITEM	SIZE	d	L	D	D1	D2	b	f	H	W	C	Z-M
	5"	125	195	250	210	188	22	3	228	600	22	8-M16
	6"	150	225	285	240	212	22	3	246	600	22	8-M20

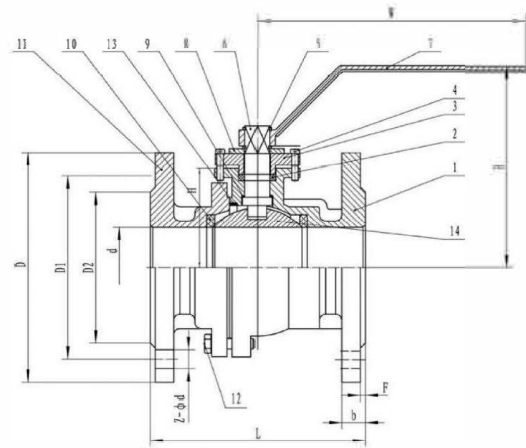
2PC JIS FLANGED BALL VALVE (QF202FM)

FEATURES

- ◆ JIS 10K
- ◆ Investment casting
- ◆ Fire safe design Antistatic Device
- ◆ Cavity pressure balance structure
- ◆ Design standard: ASME B16.34 API 6D API 608
- ◆ Structure length: JIS B2002
- ◆ Flange end: JIS B2220
- ◆ Fire safe test: AIP 607 ISO 10497
- ◆ Inspection and test: JIS B202 API 598



ITEM	DESIGNATION	ITEM	MATERIAL
1	BODY	1	CF8M/CF8
2	STEM PACKING	1	PTFE
3	GLAND	1	304
4	GLAND BOLT	2	304
5	SANP RING	1	316/304
6	STEM	1	304
7	HANDLE	1	304
8	STOPER	1	304
9	THRUSH WASHER	1	PTFE
10	BALL SEAT	2	R-PTFE
11	CAP	1	CF8M/CF8
12	BOLT	6-8	304
13	BODY GASKET	1	PTFE
14	BALL	1	316/304



ITEM	SIZE	d	L	D	D1	D2	b	f	Z-Φd	H	W
	5"	125	356	254	216	186	24	2	8-Φ18	260	600
	6"	150	394	279	241.5	216	26	2	8-Φ18	350	600
	8"	200	457	343	298.5	270	29	2	8-Φ18	500	800

Ball Valve

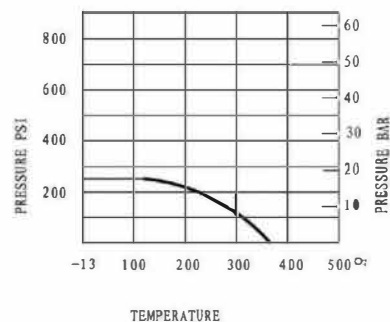
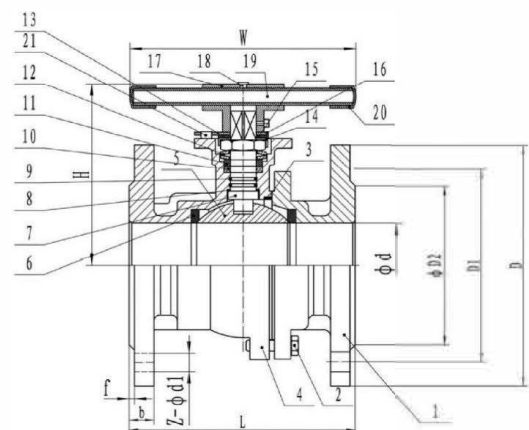
2PC DIN FLANGED BALL VALVE WITH DIRECT MOUNTING PAD(QF203M)

FEATURES

- ◆ Investment Casting for the body and cap
- ◆ Fire-safe design
- ◆ Flanged ends: DIN2543
- ◆ Face to Face: DIN3202-F5
- ◆ ISO 5211 mounting pad
- ◆ Pressure rating: PN16
- ◆ Working pressure: -25°C + 180°C
- ◆ Material: CF8M, CF8, WCB



ITEM	DESIGNATION	ITEM	MATERIAL
1	CAP	1	CF8M/CF8
2	BOLT	4(8.12)	304
3	BODY GASKET	1	PTFE
4	BODY	1	CF8M/CF8
5	BALL	1	316/304
6	BALL SEAT	2	RPTFE
7	STEM	1	316/304
8	THRUSH WASHER	1	PTFE
9	O-TING	1	VITON
10	STEM PACKING	1	PIFE
11	PACKING RING	1	304
12	BELLEYLLE WASHER	2	301
13	NUT	1	304
14	NUT STOPPER	1	304
15	PLATE WASHER	1	304
16	LOCK DEVICE	1	304
17	SLEEVE	1	304
18	JACKSCREW	2	304
19	HANDLE	1	CALVANIZED PIPE
20	PLASTIC COVER	1	PVC
21	STOP PIN	2	304



ITEM	SIZE	d	L	D	D1	D2	b	f	H	W	C	Z-φd1	N*M	ISO5211
	5"	125	325	250	210	188	22	3	228	600	22	8-φ18	200	F10/12
	6"	150	350	285	240	212	22	3	246	600	22	8-φ22	300	F10/12
	8"	200	400	340	295	268	24	3	310	800	27	12-φ22	400	F12/14

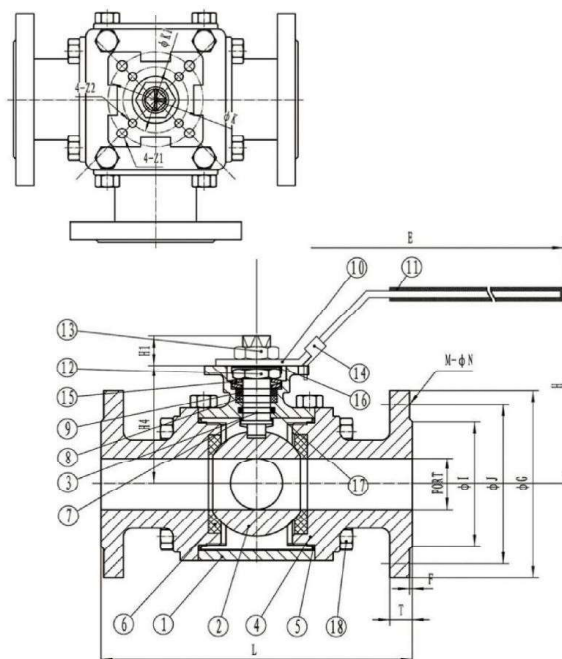
3 WAY FLANGED L/T BALL VALVE (QF407MF)

FEATURES

- ◆ Three way L/T
- ◆ Investment casting Antistatic Device
- ◆ Valve design allows 360 degree rotation, positive location is available at 90 degree increment
- ◆ ISO 5211 mounting pad locking device
- ◆ Wall thickness: ASME/ANSI B 16.34
- ◆ Flange dimensions: B 16.5 150
- ◆ Pressure test according to API 598
- ◆ Pressure: PN16/40, class 150



ITEM	DESIGNATION	ITEM	MATERIAL
1	BODY	1	CF8M/CF8
2	BALL	1	CF8M/CF8
3	STEM	1	316/304
4	CAP	3	CF8M/CF8
5	SEAT	3	RPTFE
6	SEAT	4	RPTFE
7	THRUSH WASHER	1	PTFE
8	PACKING	1	PTFE
9	BUSH	1	304
10	HANDLE	1	304
11	HANDLE COVER	1	VITON GRIP
12	STEM NUT	1	304
13	HANDLE NUT	1	304
14	LOCKING	1	304
15	BELLEYLLE WASHER	2	304
16	TAB WASHER	1	304
17	O-RING	1	VITON
18	BADY BOLT	4	304



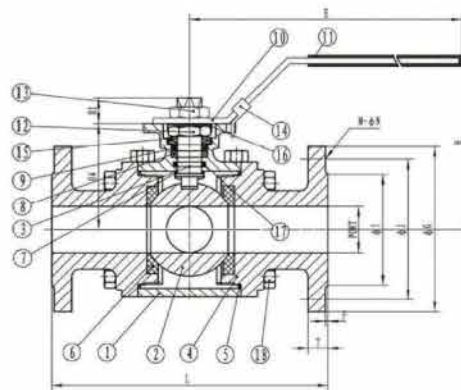
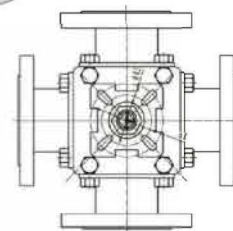
ITEM	SIZE	PORT	L	E	H	H1	H4	G	J	I	T	F	M*ΦN	K	K1	Z1	Z2
	1/2"	16	158	133	89	9	50	95	65	45	16	2	4*Φ14	42	-	6	-
	3/4"	20	169	178.5	98	9.5	59.5	105	75	58	18	2	4*Φ14	50	-	7	-
	1"	25	185	178.5	102	11	63.5	115	85	68	18	2	4*Φ14	50	-	7	-
	1 1/4"	32	195	230	118.5	15.2	79.5	140	100	78	18	2	4*Φ18	70	50	9	7
	1 1/2"	38	232	230	127	14.3	88	150	110	88	18	2	4*Φ18	70	50	9	7
	2"	50	250	250	139	17.8	105	165	125	102	20	2	4*Φ18	102	70	11	9
	2 1/2"	65	270	250	117.3	17.5	165.7	185	145	122	18	2	4*Φ18	102	70	11	9
	3"	76	292.2	250	170	17.5	128	200	160	138	20	2	8*Φ18	102	70	11	9
	4"	100	360	300	230	23	165	220	180	158	20	2	8*Φ18	125	102	13	11

Ball Valve

4 WAY FLANGED L/T BALL VALVE (QF408MF)

FEATURES

- ◆ Four way L/T
- ◆ Investment casting
- ◆ Antistatic Device
- ◆ Valve design allows 360 degree rotation, positive location is available at 90 degree increment
- ◆ ISO 5211 mounting pad locking device
- ◆ Wall thickness: ASME/ANSI B 16.34
- ◆ Flange dimensions: B 16.5 150
- ◆ Pressure test according to API 598
- ◆ Pressure: PN16/40, class 150



ITEM	DESIGNATION	ITEM	MATERIAL
1	BODY	1	CF8M/CF8
2	BALL	1	CF8M/CF8
3	STEM	1	316/304
4	CAP	3	CF8M/CF8
5	SEAT	3	RPTFE
6	SEAT	4	RPTFE
7	THRUSH WASHER	1	PTFE
8	PACKING	1	PTFE
9	BUSH	1	304
10	HANDLE	1	304
11	HANDLE COVER	1	VITON GRIP
12	STEM NUT	1	304
13	HANDLE NUT	1	304
14	LOCKING	1	304
15	BELLEVILLE WASHER	2	304
16	TAB WASHER	1	304
17	O-RING	1	VITON
18	BODY BOLT	4	316/304

ITEM	SIZE	PORT	L	E	H	H1	H4	G	J	I	T	F	M*ΦN	K	K1
	1/2"	16	158	186.5	89	9	47.8	95	65	45	16	2	4*Φ14	42	-
	3/4"	20	169	218	98	11	58.2	105	75	58	18	2	4*Φ14	50	-
	1"	25	185	218	102	11.5	64	115	85	68	18	2	4*Φ14	50	-
	1 1/4"	32	195	235	118.5	15.2	78	140	100	78	18	2	4*Φ18	70	50
	1 1/2"	38	232	235	127	14.3	88.5	150	110	88	18	2	4*Φ18	70	50
	2"	50	253	252	139	17.8	105.8	165	125	102	20	2	4*Φ18	102	70
	2 1/2"	65	270	302	165.7	17.5	117.3	185	145	122	18	2	4*Φ18	102	70
	3"	76	292.2	302	170	17.5	128	200	160	138	20	2	8*Φ18	102	70
	4"	100	360	600	193	70	-	220	180	158	20	2	8*Φ18	125	102
	5"	125	416	600	233	70	-	250	210	158	22	2	8*Φ18	125	102
	6"	150	473	800	266	77.5	-	285	240	158	22	2	8*Φ18	140	102