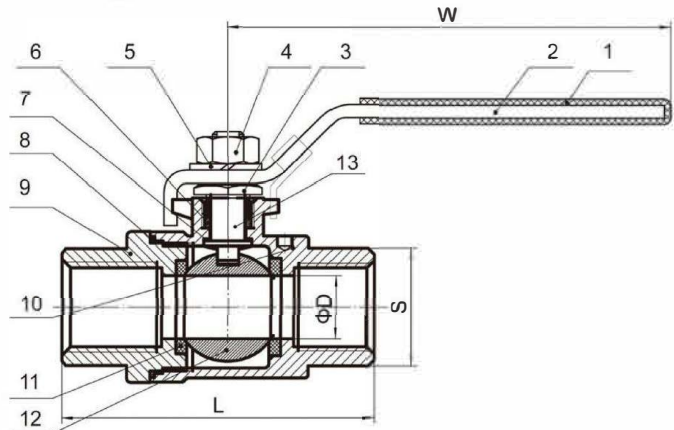
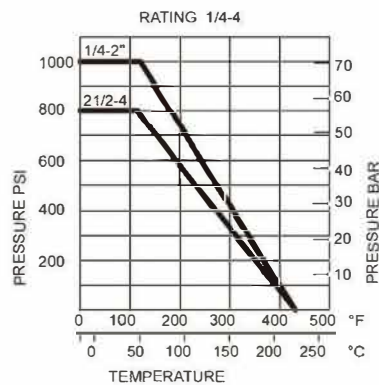


Ball Valve

2PC DIN3202-M3 BALL VALVE (QF206)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Length confirm to DIN3202/4-M3
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	MATERIAL
1	HANDLE SLEEVE	PVC
2	HANDLE	304
3	GLAND NUT	304/316
4	STEM NUT	304
5	SPRING WASHER	304
6	STEM PACKING	PTFE
7	THRUST WASHER	PTFE
8	JOING GASKET	PTFE
9	CAP	CF8/CF8M
10	BODY	CF8/CF8M
11	BALL SEAT	RPTFE
12	BALL	CF8/CF8M
13	STEM	304/316

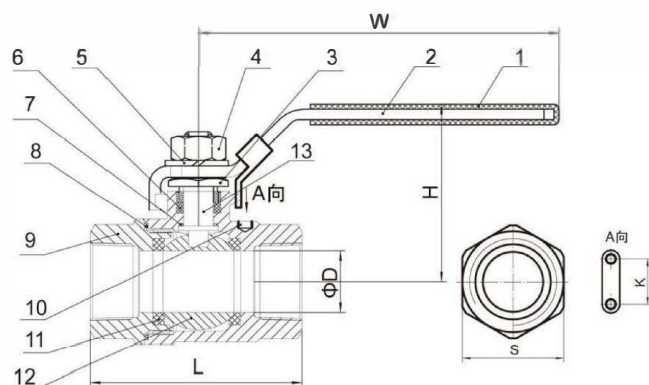
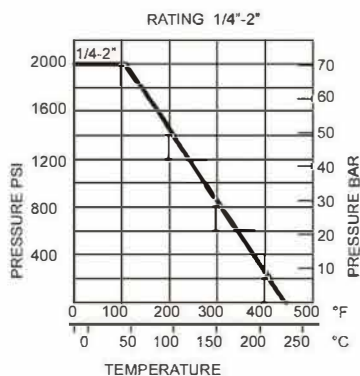
SIZE	D	L	H	W	S
1/4"	11.5	55	48	103	22
3/8"	12.5	60	48	103	22
1/2"	15	75	52	103	26
3/4"	20	80	61	123	32
1"	25	90	65	123	39
1-1/4"	32	110	79	153	48.5
1-1/2"	38	120	83	153	55
2"	50	140	97	185	68
2-1/2"	64	185	135	243	84
3"	76	205	144	243	99
4"	94	240	166	295	128

Ball Valve

2PC BALL VALVE 2000 PSI (QF207)

FEATURES

- ◆ Full port
- ◆ W.P.: 1/4"-2"2000WOG(PN150)
- ◆ Investment casting Blow-out proof stem
- ◆ Anti-static device & locking device(option)
- ◆ ASME B16.34 Wall thickness NACE MR0175
- ◆ Thread type: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	MATERIAL
1	HANDLE SLEEVE	PVC
2	HANDLE	304
3	GLAND NUT	304/316
4	STEM NUT	304
5	SPRING WASHER	304
6	STEM PACKING	PTFE
7	THRUST WASHER	PTFE
8	JOINT GASKET	PTFE
9	CAP	CF8/CF8M
10	BODY	CF8/CF8M
11	BALL SEAT	RPTFE
12	BALL	CF8/CF8M
13	STEM	304/316

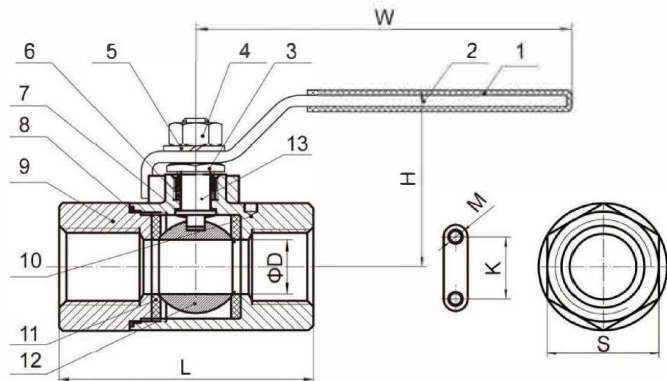
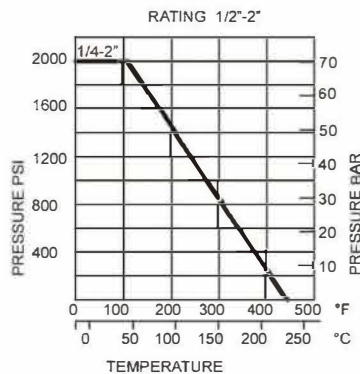
SIZE	D	L	H	W	k	S
1/4"	9.2	54.3	48	91	28.5	25
3/8"	9.2	54.3	48	91	28.5	25
1/2"	12.7	61	52	103	28.5	30
3/4"	20	70	61	111	34.8	36
1"	25	82	65	126	34.8	44.6
1-1/4"	32	91.5	79	154	38.1	54
1-1/2"	38	113	83	154	38.1	61
2"	50	124	97	191	38.1	75

Ball Valve

2PC BALL VALVE REDUCED 2000PSI (QF208)

FEATURES

- ◆ 2000PSI(PN150)
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ Tapped & drilled mounting pad (option)
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	MATERIAL
1	HANDLE SLEEVE	PVC
2	HANDLE	304
3	GLAND NUT	304
4	STEM NUT	304
5	SPRING WASHER	304
6	STEM PACKING	PTFE
7	THRUST WASHER	PTFE
8	JOINT GASKET	PTFE
9	CAP	CF8/CF8M
10	BODY	CF8/CF8M
11	BALL SEAT	RPTFE
12	BALL	CF8/CF8M
13	STEM	304/316

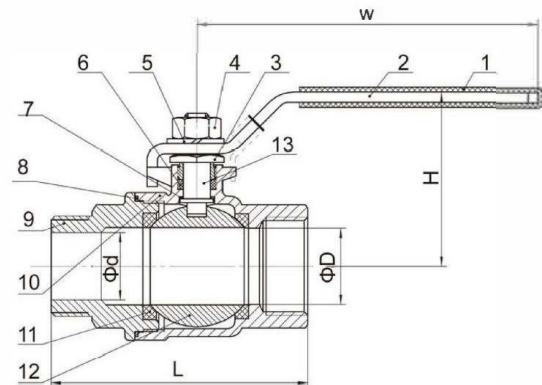
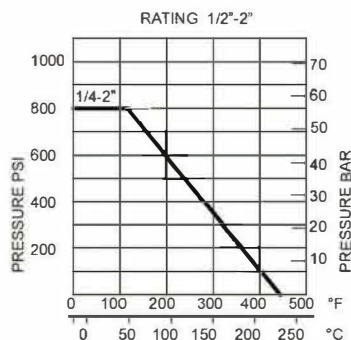
SIZE	D	L	H	W	S	K	M
1/4"	11	58	48	105	26.5	27.5	10-32UN
3/8"	12.5	58	48	105	26.5	27.5	10-32UN
1/2"	12.5	58	48	105	26.5	27.5	10-32UN
3/4"	17.5	79.6	67	110	32	34.8	10-32UN
1"	22	86	70	125	41	34.8	10-32UN
1-1/4"	25	103	85	150	50	34.8	10-32UN
1-1/2"	32	111	90	150	55	34.8	10-32UN
2"	38	137	95	190	70	34.8	10-32UN

Ball Valve

2PC BALL VALVE M/F (QF209)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ Locking Device Handle(Optional)
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	HANDLE SLEEVE	1	PVC
2	HANDLE	1	304
3	GLAND NUT	1	304
4	STEM NUT	1	304
5	SPRING WASHER	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	JOINT GASKET	1	PTFE
9	CAP	1	CF8/CF8M
10	BODY	1	CF8/CF8M
11	BALL SEAT	2	RPTFE
12	BALL	1	CF8/CF8M
13	STEM	1	304/316

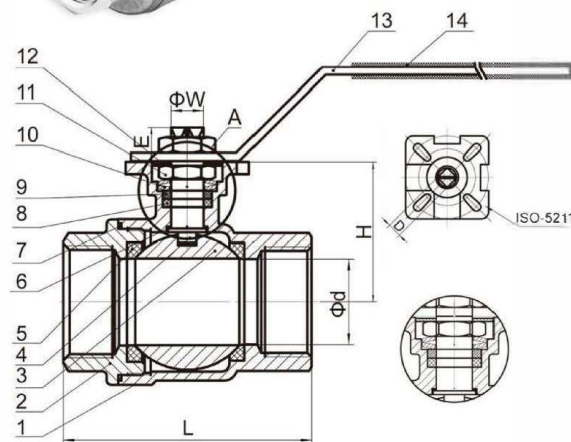
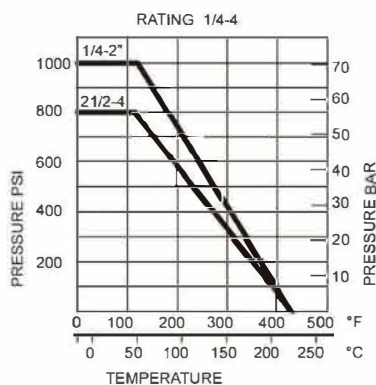
SIZE	D	d	L	H	W	S
1/4"	11.6	8	55	48	91	19
3/8"	12.5	11.4	55	48	91	21
1/2"	15	13.6	71.5	52	91	25.5
3/4"	20	18.2	78	61	111	31
1"	25	23	91	65	111	37.5
1-1/4"	32	32	100	79	154	46.5
1-1/2"	38	38	112	83	154	53.5
2"	50	48	142	97	192	66

Ball Valve

2PC BALL VALVE WITH ISO5211 MOUNTING PAD(QF203M)

FEATURES

- ◆ Full port 1000PSI(PN63)
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ ISO5211 Mounting Pad
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Anti-Static device(option)
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	MATERIAL
1	BODY	CF8/CF8M
2	CAP	CF8/CF8M
3	BALL	CF8/CF8M
4	STEM	304/316
5	BALL SEAT	RPTFE
6	THRUST WASHER	PTFE
7	JOINT GASKET	PTFE
8	STEM PACKING	PTFE
9	GLAND RING	304
10	SPRING WASHER	304
11	STEM NUT	304
12	AGAINST PINE PAD	304
13	HANDLE	304
14	HANDLE SLEEVE	PVC

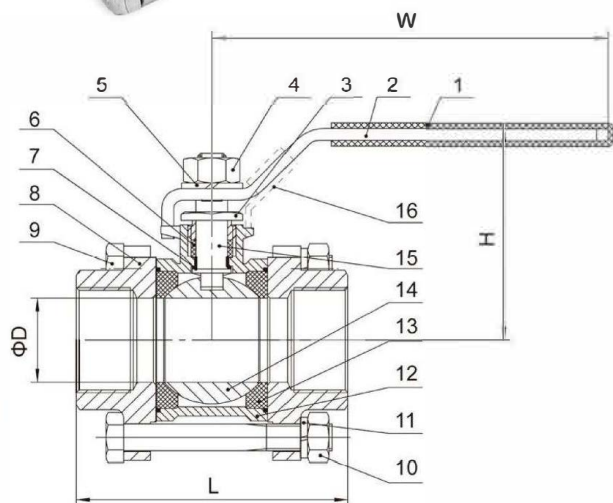
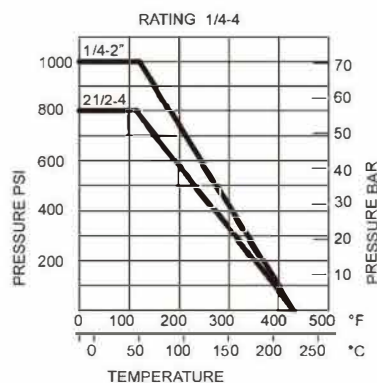
SIZE	Φd	L	H	D	E	W	ISO5211
1/4"	11.6	49	36.5	9	9	12	F04/03
3/8"	12.5	49	36.5	9	9	12	F04/03
1/2"	15	58	37.8	9	9	12	F04/03
3/4"	20	65	42.5	9	9	12	F04/03
1"	25	77	45	11	11	14	F05/04
1-1/4"	32	90	51.5	11	11	14	F05/04
1-1/2"	38	98	59.5	14	14	18	F07/05
2"	50	121	68.5	14	14	18	F07/05
2-1/2"	64	156	98.5	17	16	22	F10/07
3"	76	186	108	17	16	22	F10/07

Ball Valve

3PC BALL VALVE (QF301)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ Locking Device Handle(Optional)
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Anti-Static device(option)
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	HANDLE SLEEVE	1	PVC
2	HANDLE	1	304
3	GLAND NUT	1	304/316
4	STEM NUT	1	304
5	STEM WASHER	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	END CAP	2	CF8/CF8M
9	BOLT	4(6)	304
10	NUT	4(6)	304
11	SPRING WASHER	4(6)	304
12	BODY	1	CF8/CF8M
13	BALL SEAT	2	RPTFE
14	BALL	1	CF8/CF8M
15	STEM	1	304/316
16	LOCKING DEVICE	1	304

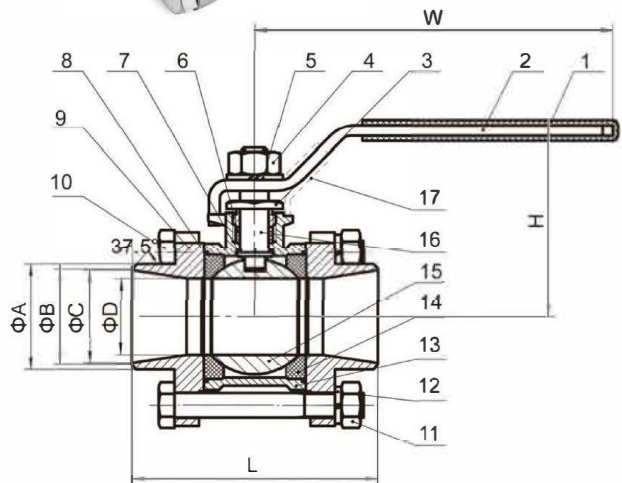
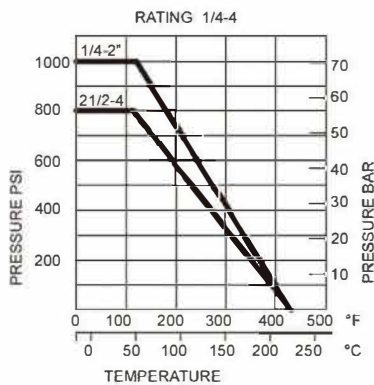
SIZE	D	L	H	W
1/4"	11	50	48	103
3/8"	12	50	48	103
1/2"	15	60	52	103
3/4"	20	70	61	123
1"	25	80	65	123
1-1/4"	32	93	79	153
1-1/2"	38	100	83	153
2"	50	125	97	185
2-1/2"	64	158	135	243
3"	76	179	144	243
4"	94	223	172	315

Ball Valve

3PC BUTT WELD BALL VALVE (QF302)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Anti-Static device(option)
- ◆ Butt Weld: ASME B16.25 (SCH40)
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	HANDLE SLEEVE	1	PVC
2	HANDLE	1	304
3	GLAND NUT	1	304
4	STEM NUT	1	304
5	SPRING WASHER	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	JOINT GASKER	2	PTFE
9	CAP	2	CF8/CF8M
10	BOLT	4(6)	304
11	BOLT NUT	4(6)	304
12	SPRING WASHER	4(6)	304
13	BODY	1	CF8/CF8M
14	BALL SEAT	2	RPTFE
15	BALL	1	CF8/CF8M
16	STEM	1	304/316
17	LOCKING DEVICE	1	304

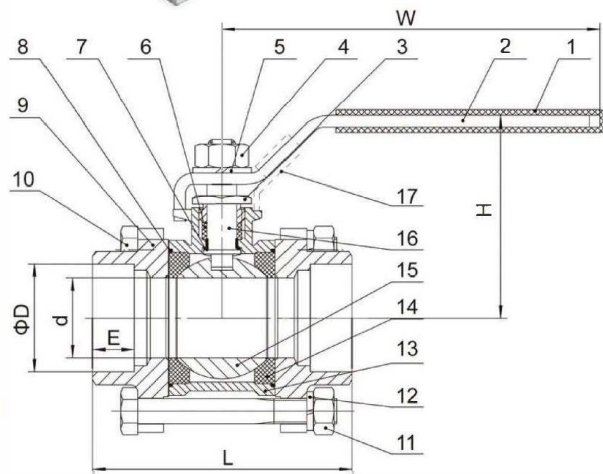
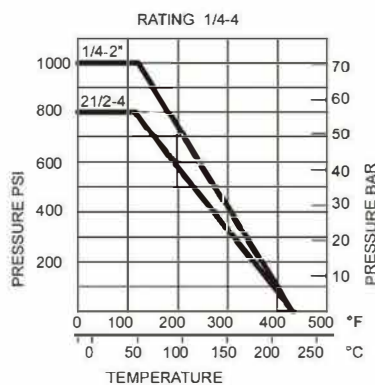
SIZE	ΦA	ΦB	ΦC	ΦD	L	H	W
1/4"	18	14.5	10.8	10.8	60.4	48	103
3/8"	19.5	15.9	11	11	60.4	48	103
1/2"	23	19.2	15	15	66.5	52	103
3/4"	28.8	23.4	21	20	80	61	123
1"	34.8	28.6	26.7	25	84	65	123
1-1/4"	45	38	34	32	104	79	153
1-1/2"	51	44	40.5	38	112	83	153
2"	62.5	56.5	52.5	50	132	97	185
2-1/2"	77	68	65	64	164	135	243
3"	94	86	80.5	76	182.2	144	243
4"	116	105	98	94	226.8	172	315

Ball Valve

3PC SOCKET WELD BALL VALVE (QF303)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Anti-Static device(option)
- ◆ Socket Weld: ASME B16.11
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	HANDLE SLEEVE	1	PVC
2	HANDLE	1	304
3	GLAND NUT	1	304
4	STEM NUT	1	304
5	STEM WASHER	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	JOINT GASKET	2	PTFE
9	END CAP	2	CF8/CF8M
10	BOLT	4(6)	304
11	NUT	4(6)	304
12	SPRING WASHER	4(6)	304
13	BODY	1	CF8/CF8M
14	BALL SEAT	2	RPTFE
15	BALL	1	CF8/CF8M
16	STEM	1	304/316
17	LOCKING DEVICE	1	304

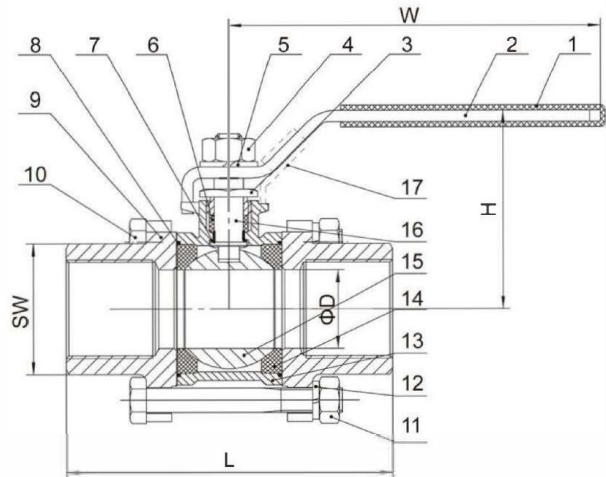
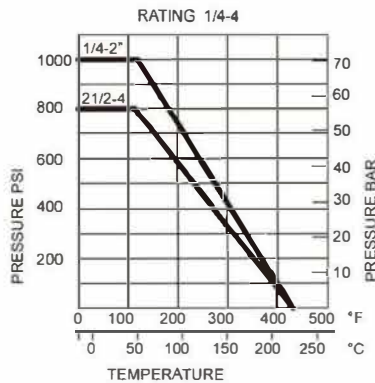
SIZE	d	D	E	L	H	W
1/4"	12	14.2	10	50	48	103
3/8"	12	17.6	10	50	48	103
1/2"	15	21.7	10	60	52	103
3/4"	20	27.1	13	70	61	123
1"	25	33.9	13	80	65	123
1-1/4"	32	42.6	13	93	79	153
1-1/2"	38	48.7	13	100	83	153
2"	50	61.1	16	125	97	185
2-1/2"	64	77	16	158	135	243
3"	76	89.8	16	179	144	243
4"	94	115.5	19	223	172	315

Ball Valve

3PC DIN3202-M3 LENGTH BALL VALVE (QF304)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Casting Approved AD2000-W0
- ◆ Anti-Static device(option)
- ◆ Length Conform To DIN3202/4-M3
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	HANDLE SLEEVE	1	PVC
2	HANDLE	1	304
3	GLAND NUT	1	304
4	STEM NUT	1	304
5	STEM WASHER	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	GASKET	2	PTFE
9	END CAP	2	CF8/CF8M
10	BOLT	1	304
11	NUT	4	304
12	SPRING WASHER	4	304
13	BODY	1	CF8/CF8M
14	BALL SEAT	2	RPTFE
15	BALL	1	CF8/CF8M
16	STEM	1	304/316
17	LOCKING DEVICE	1	304

SIZE	D	L	H	W	SW
1/4"	11.6	55	64	103	19
3/8"	12.7	60	64	103	21
1/2"	15	75	64	103	26
3/4"	20	80	73	103	31
1"	25	90	89.2	135	38
1-1/4"	32	110	94.5	135	47
1-1/2"	38	120	119.5	182	54
2"	50	140	128.5	182	66
2-1/2"	64	185	140	260	84
3"	76	205	147	260	99
4"	94	240	172	400	128

Ball Valve

3PC

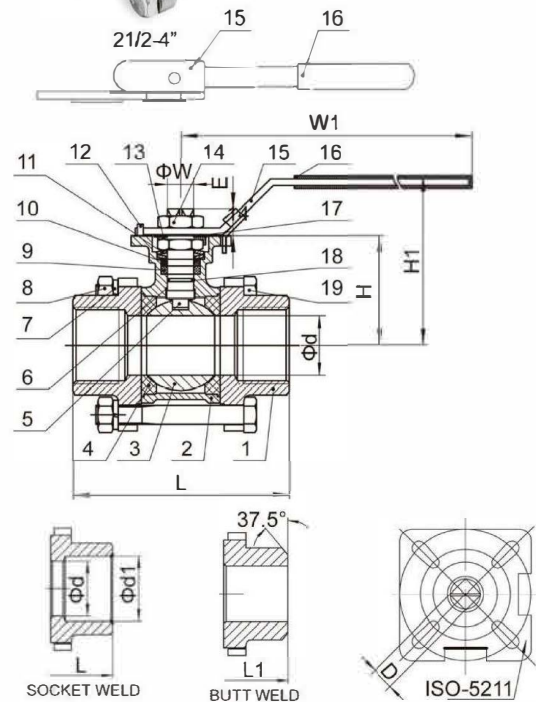
BALL VALVE WITH ISO5211 MOUNTING PAD(QF302M)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ ISO5211 Mounting Pad
- ◆ PED97/23/PE (CE0035) Approved
- ◆ Anti-Static device(option)
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



ITEM	DESIGNATION	QTY	MATERIAL
1	BODY	1	CF8/CF8M
2	CAP	2	CF8/CF8M
3	BALL	1	CF8/CF8M
4	BALL SEAT	2	RPTFE
5	STEM	1	304/316
6	THRUST WASHER	1	PTFE
7	SPRING WASHER	4	304
8	BOLT NUT	4	304
9	STEM PACKING	3	PTFE
10	RING	1	304
11	BELLEVILLE WASHER	2	301
12	LOCK WASHER	1	304
13	STOP PIN	1	304
14	HANDLE NUT	2	304
15	HANDLE	1	304
16	HANDLE SLEEVE	1	PVC
17	WASHER	1	CF8/CF8M
18	O-RING	1	VITON
19	BOLT	4	304



SIZE	$\Phi d \pm 0.5$	$\Phi d1 \pm 0.5$	$L \pm 2$	$L1 \pm 2$	$H \pm 1$	$D_{-0.07}^0$	$E \pm 1$	$W_{-0.3}^0$	ISO5211	W1	H1
1/4"	11.6	14.2	55	70	38	9	9	12	F04/03	143	65
3/8"	12.5	17.7	60	70	38	9	9	12	F04/03	143	65
1/2"	15	21.8	75	70	38	9	9	12	F04/03	143	65
3/4"	20	27.2	80	85	47	9	9	12	F04/03	143	76
1"	25	34	90	95	60	11	11	14	F05/04	160	95
1-1/4"	32	42.7	110	110	62.7	11	11	14	F05/04	160	95
1-1/2"	38	48.8	120	120	79	14	14	18	F07/05	187	115
2"	50	61.2	140	142	88	14	14	18	F07/05	187	124
2-1/2"	64	74	185	185	109	17	17	22	F10/07	350	140
3"	76	90	205	205	116	17	17	22	F10/07	350	150
4"	94	115.6	240	240	142	22	22	28	F12/07	350	175