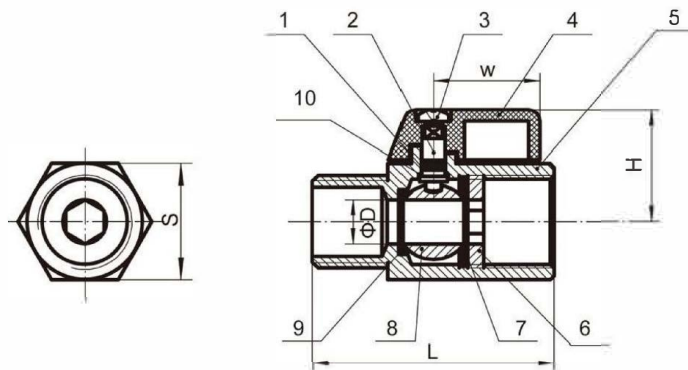


Ball Valve

F/M MINI BALL VALVE

FEATURES

- ◆ 1000PSI/PN63
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ External polished
- ◆ Max temperature: -25°C to 180°C
- ◆ PTFE seats & seals
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



MATERIALS LIST

ITEM	DESIGNATION	QTY	MATERIAL
1	O-RING	2	VITON
2	STEM	1	304/316
3	BOLT	1	304
4	LEVER	1	ALUMINUM ALLOY
5	BODY	1	CF8/CF8M
6	CAP	1	CF8/CF8M
7	BALL SEAT(A)	1	PTFE
8	BALL	1	304/316
9	BALL SEAT(B)	1	PTFE
10	THRUST WASHER	1	PTFE

DIMENSIONS(mm)

ITEM \ SIZE	1/4"	3/8"	1/2"	3/4"	1"
D	8	8	9.2	12.5	15
L	39	41	46	55	65
H	26.5	26.5	28.3	31.5	34
W	22.8	22.8	22.8	22.8	22.8
S	21	21	24.5	31	38

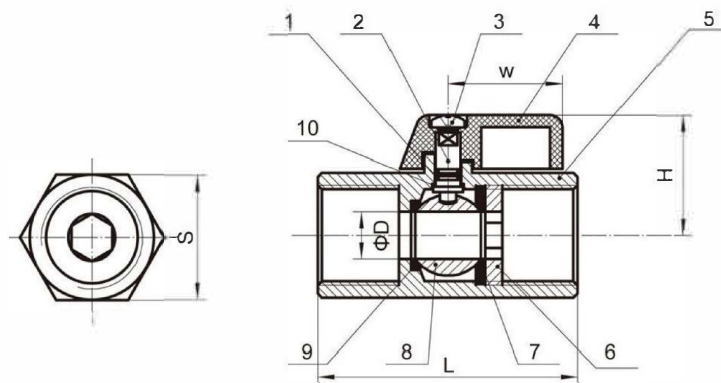
Note: If the thread is taper type(NPT/BSPT),the nominal diameter is 7MM.

Ball Valve

F/F MINI BALL VALVE

FEATURES

- ◆ 1000PSI/PN63
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ External polished
- ◆ Max temperature: -25℃ to 180℃
- ◆ PTFE seats & seals
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259,
ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



MATERIALS LIST

ITEM	DESIGNATION	QTY	MATERIAL
1	O-RING	2	VITON
2	STEM	1	304/316
3	BOLT	1	304
4	LEVER	1	ALUMINUM ALLOY
5	BODY	1	CF8/CF8M
6	CAP	1	CF8/CF8M
7	BALL SEAT(A)	1	PTFE
8	BALL	1	304/316
9	BALL SEAT(B)	1	PTFE
10	THRUST WASHER	1	PTFE

DIMENSIONS(mm)

ITEM	SIZE	1/4"	3/8"	1/2"	3/4"	1"
D		8	8	9.2	12.5	15
L		39	41	46	55	65
H		26.5	26.5	28.3	31.5	34
W		22.8	22.8	22.8	22.8	22.8
S		21	21	24.5	31	38

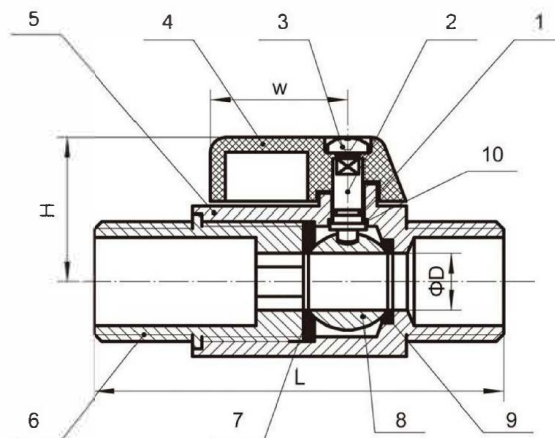
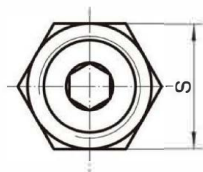
Note: If the thread is taper type(NPT/BSPT),the nominal diameter is 7MM.

Ball Valve

M/M MINI BALL VALVE

FEATURES

- ◆ 1000PSI/PN63
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ External polished
- ◆ Max temperature: -25°C to 180°C
- ◆ PTFE seats & seals
- ◆ Thread: ASME B1.20.1 BS21.DIN2999/259, ISO228-1, JIS B 0203, ISO7/1
- ◆ Inspection Testing: API598, EN12266



MATERIALS LIST

ITEM	DESIGNATION	QTY	MATERIAL
1	O-RING	2	VITON
2	STEM	1	304/316
3	BOLT	1	304
4	LEVER	1	ALUMINUM ALLOY
5	BODY	1	CF8/CF8M
6	CAP	1	CF8/CF8M
7	BALL SEAT(A)	1	PTFE
8	BALL	1	304/316
9	BALL SEAT(B)	1	PTFE
10	THRUST WASHER	1	PTFE

DIMENSIONS(mm)

ITEM	SIZE	1/4"	3/8"	1/2"	3/4"	1"
D		8	8	9.2	12.5	15
L		50	50	58	70	83
H		26.5	26.5	28.3	31.5	34
W		22.8	22.8	22.8	22.8	22.8
S		21	21	25	31	38

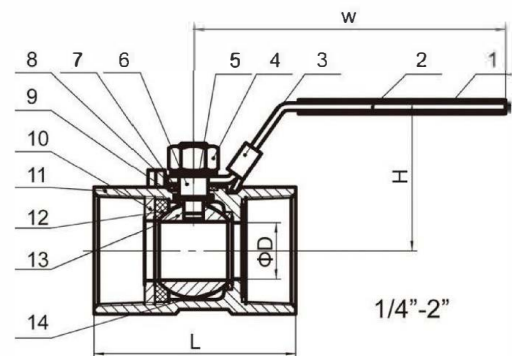
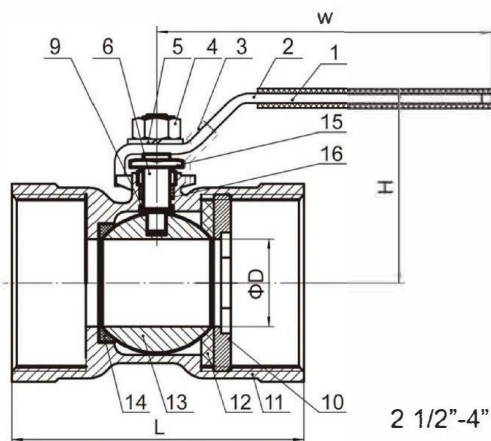
Note: If the thread is taper type(NPT/BSPT), the nominal diameter is 7MM.

Ball Valve

1PC BALL VALVE (QF101)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ Casting Approved AD2000-W0
- ◆ PED97/23/EC(CE0035)Approved
- ◆ W.P: 1/4"-2" 1000psi 2 1/2"-4" 800psi
- ◆ 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	LOCKING	304
4	STEM NUT	304
5	SPRING WASHER	304
6	STEM	304/316
7	PACKING RING	304
8	STEM PACKING	PTFE
9	THRUST WASHER	PTFE
10	CAP	CF8/CF8M
11	BODY	CF8/CF8M
12	BALL SEAT	RPTFE
13	BALL	304/316
14	BALL SEAT	PTFE
15	GLAND NUT	304
16	STEM PACKING	PTFE

SIZE	ΦD	L	H	W	S	
1/4"	5	39	31	65	17	HEX
3/8"	6.8	44	36	85	21	
1/2"	9.2	56.5	41	95	25	
3/4"	12.5	59	44	95	32	
1"	15	71	48	111	38	
1-1/4"	20	78	54	111	49	
1-1/2"	25	83	65	135	53	
2"	32	100	72	135	65	OCT
2-1/2"	38	120	80	154	83	
3"	50	140	100	191	98	
4"	64	170	129	246	127	

Ball Valve

1PC HEXAGON BAR STOCK 2000 PSI BALL VALVE (QF102)

FEATURES

- ◆WInternal Entry Blow-out Proof Stem
- ◆Pressure Rating: 2000 PSI (PN125)
- ◆Thread Ends: ANSI B2.1, BS 21, DIN2999/259
- ◆Material: Carbon Steel
- ◆Pressure Test: API 598

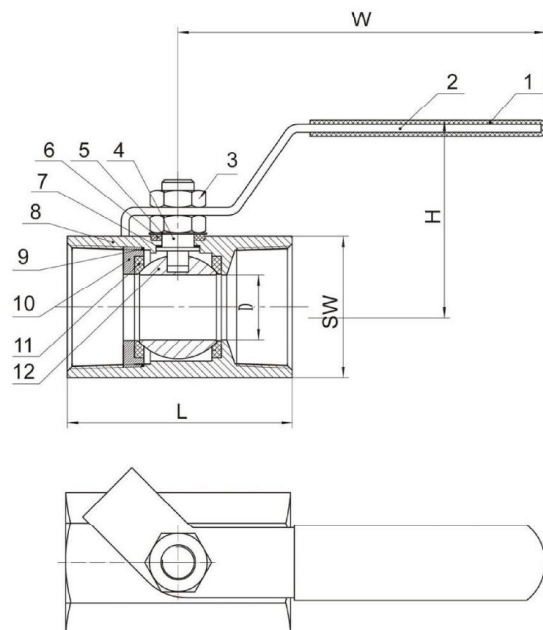
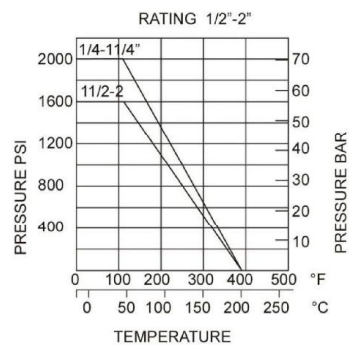


DIMENSIONS(mm)

SIZE	Φ D	L	H	W	SW	
1/4"	5	43	35	73	20	HEX
3/8"	7	45	38	73	25	
1/2"	9.5	62	50	115	30	
3/4"	12.5	70	58	115	36	
1"	15	85.5	62	129	41(46)	
1-1/4"	20	94	64	129	53	
1-1/2"	25	101.5	72	150	60	
2"	32	114	80	150	70(75)	

MATERIALS LIST

ITEM	DESIGNATION	QTY	MATERIAL
1	PLASTIC COVER	1	PLASTIC
2	HANDLE	1	304
3	STEM NUT	2	304
4	STEM	1	304
5	PACK RING	1	304
6	STEM PACKING	1	PTFE
7	THRUST WASHER	1	PTFE
8	BODY	1	CARBON STEEL
9	BODY GASKET	1	PTFE
10	CAP	1	WCB
11	BALL SEAT	2	PTFE/RPTFE
12	BALL	1	304

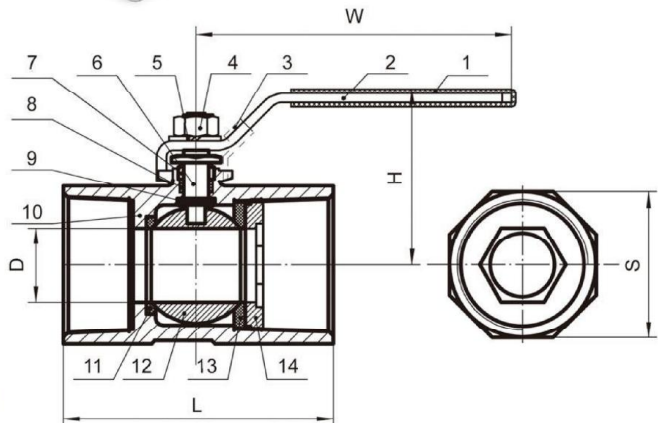
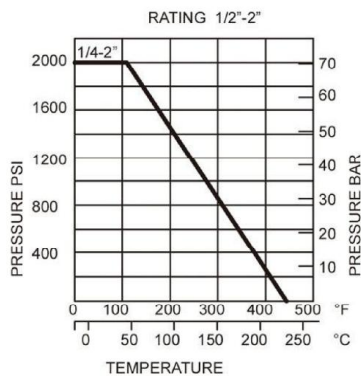


Ball Valve

1PC 2000 PSI CASTING BALL VALVE (QF103)

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



MATERIALS LIST

ITEM	DESIGNATION	MATERIAL
1	HANDLE SLEEVE	PVC
2	HANDLE	304
3	LOCKING	304
4	STEM NUT	304
5	SPRING WASHER	304
6	STEM	304/316
7	PACK RING	304
8	STEM PACKING	PTFE
9	THRUST WASHER	PTFE
10	BODY	CF8/CF8M
11	SEAT(A)	RPTFE
12	BALL	CF8/CF8M
13	SEAT(B)	RPTFE
14	INSERT	304/316

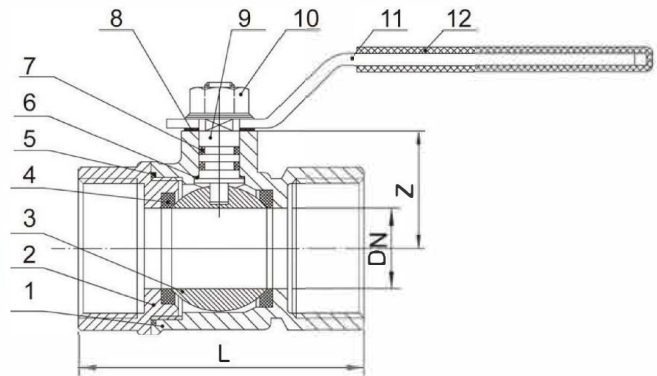
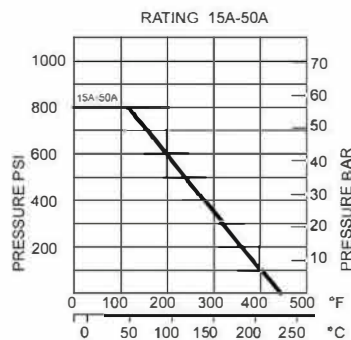
DIMENSIONS(mm)

SIZE	ΦD	L	H	W	S
1/4	9.2	59	44	91	22
3/8	9.2	59	44	91	22
1/2	9.2	67	44	91	26
3/4	12.5	71	47.5	111	32
1	15	84	60	111	40
1 1/4	20	94	65	126	50
1 1/2	25	100	71	126	55
2	32	114	76.5	154	70

2PC REDUCE PORT BALL VALVE 800 PSI (QF201)

FEATURES

- ◆ 800PSI(PN40)
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ 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	BODY	1	CF8/CF8M
2	CAP	1	CF8/CF8M
3	BALL	1	CF8/CF8M
4	BALL SEAT	2	RPTFE
5	JOINT GASKET	1	PTFE
6	THRUST WASHER	1	PTFE
7	O-RING	2	NBR
8	STEM PACKING	1	PTFE
9	STEM	1	304/316
10	NUT	1	304
11	HANDLE	2	304
12	HANDLE SLEEVE	1	PVC

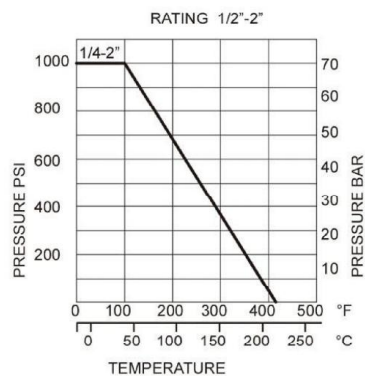
ITEM	15A	20A	25A	32A	40A	50A
L	48.5	58.5	69	79	89	100.5
DN	10	15	20	25	31	39
S	25	30	38	47	53	65
Z	21	23.5	31	33	41	47

Ball Valve

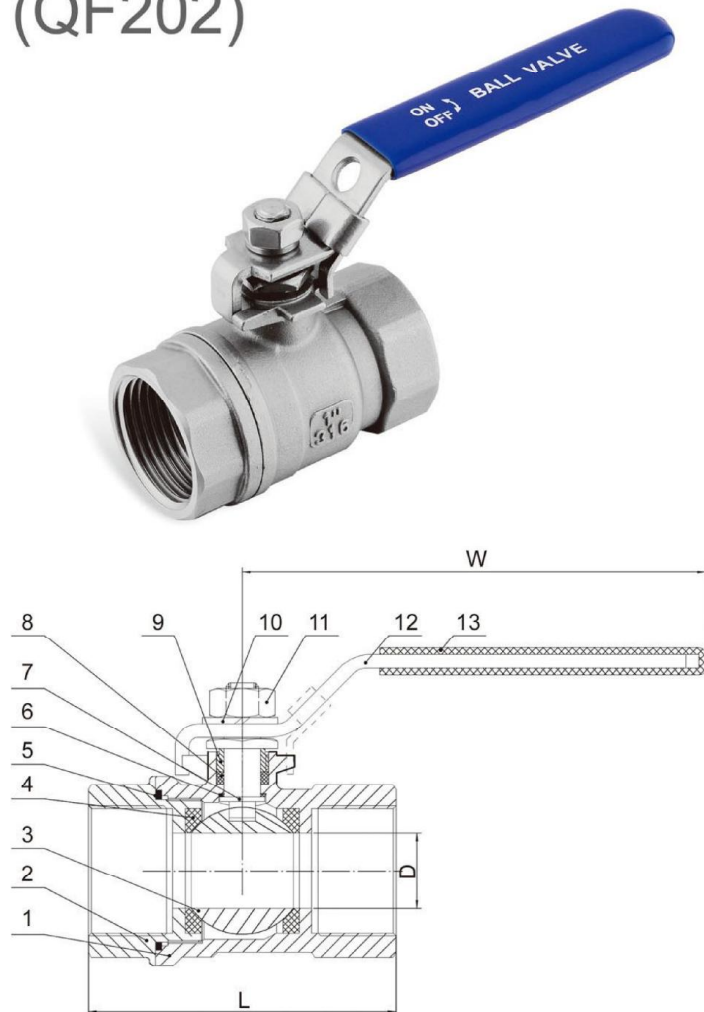
2PC REDUCE PORT BALL VALVE 1000 PSI (QF202)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Reduce Port
- ◆ Investment Casting
- ◆ Blow-out proof Stem
- ◆ 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	BODY	1	CF8/CF8M
2	CAP	1	CF8/CF8M
3	BALL	1	CF8/CF8M
4	BALL SEAT	2	RPTFE
5	JOINT GASKET	1	PTFE
6	THRUST WASHER	1	PTFE
7	STEM	1	304/316
8	STEM PACKING	1	PTFE
9	GLAND NUT	1	304
10	SPRING WASHER	1	304
11	STEM NUT	1	304
12	HANDLE	1	304
13	HANDLE SLEEVE	1	PVC



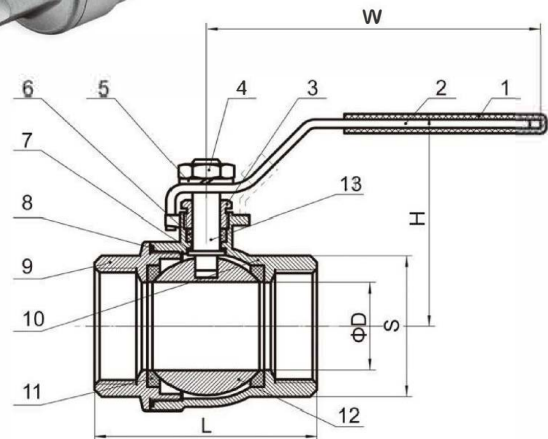
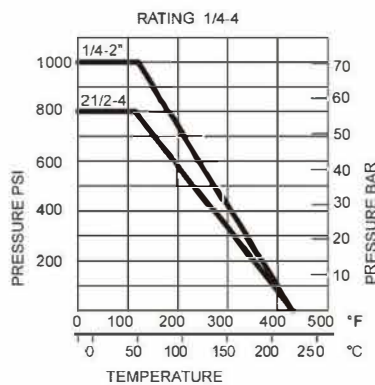
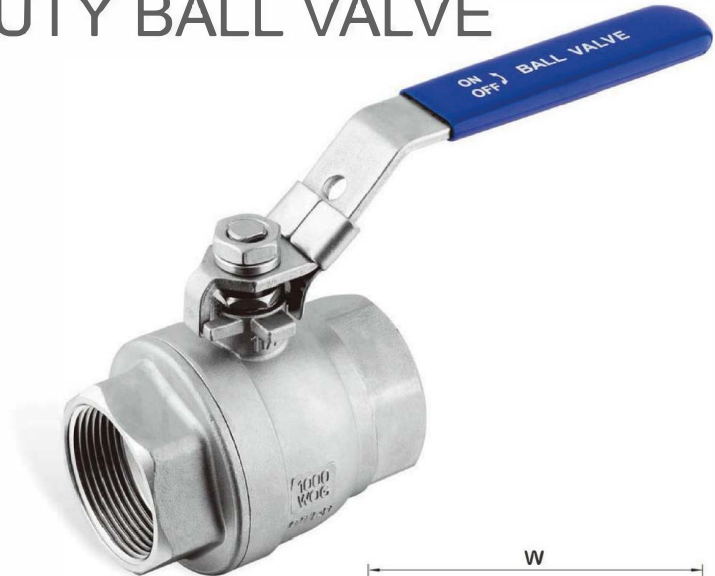
SIZE	D	L	W	S
3/8"	9.2	38.5	76	21
1/2"	10	48.5	91	25
3/4"	15	58.5	91	30
1"	20	69	111	38
1 1/4"	25	79	111	47
1 1/2"	32	90	154	53
2"	38	100	154	66

Ball Valve

2PC LIGHT-DUTY BALL VALVE (QF203)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Blow-out-proof stem design
- ◆ 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

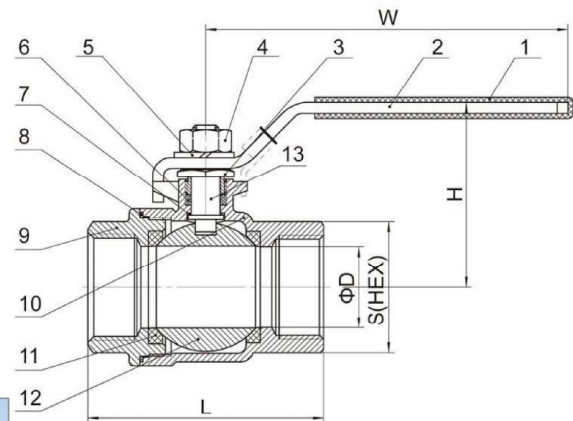
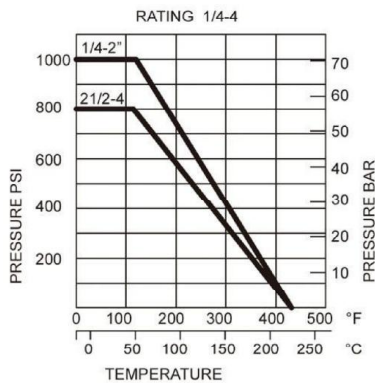
SIZE	D	L	H	W	S
1/4"	9.2	36	41	76	18
3/8"	12.5	42	46	76	21
1/2"	15	48	50	85	25
3/4"	20	58	57	95	31
1"	25	68.5	68	120	37.5
1-1/4"	32	80	74	120	46.5
1-1/2"	38	90.5	85	150	53
2"	50	109	94	150	66
2 1/2"	65	139	120	215	82.5
3"	80	157	130	215	97.5
4"	100	200	160	300	127

Ball Valve

2PC ECONOMICAL TYPE BALL VALVE (QF204)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Blow-out-proof stem design
- ◆ 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

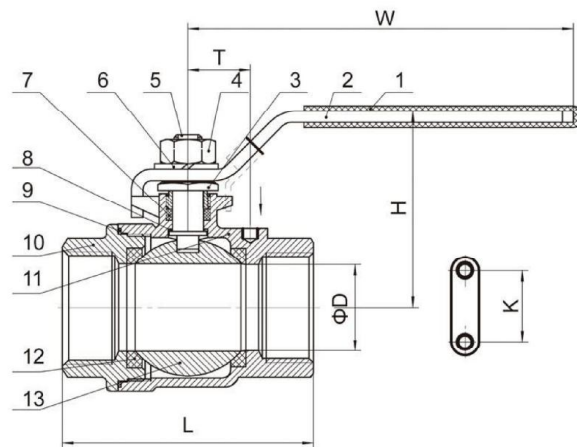
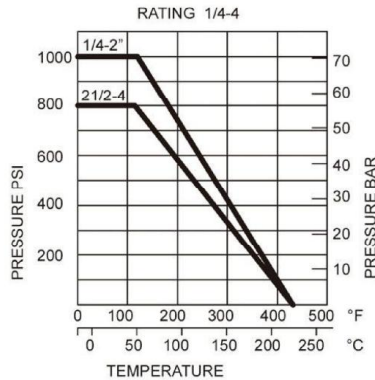
SIZE	D	L	H	W	S
1/4"	11.6	48.5	48	91	19
3/8"	12.5	48.5	48	91	21
1/2"	15	58	52	103	25.5
3/4"	20	65	61	111	31
1"	25	77	65	126	37.5
1-1/4"	32	90	79	154	46.5
1-1/2"	38	98	83	154	53.5
2"	50	121	97	192	66
2-1/2"	64	145	129	246	82.5
3"	76	166	138	246	97.5
4"	94	240	175	317	130

Ball Valve

2PC HEAVY TYPE BALL VALVE (QF205)

FEATURES

- ◆ 1000PSI/PN63
- ◆ Full Port
- ◆ Blow-out-proof stem design
- ◆ Body and end caps quality investment casting
- ◆ 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	STEM	1	304/316
6	SPRING WASHER	1	304
7	STEM PACKING	1	PTFE
8	THRUST WASHER	1	PTFE
9	JOINT GASKET	1	PTFE
10	CAP	1	CF8/CF8M
11	BODY	1	CF8/CF8M
12	BALL SEAT	2	RPTFE
13	BALL	1	CF8/CF8M

SIZE	D	L	H	W	K	T
1/4"	11.6	50	48	91	28.5	12.5
3/8"	12.5	50	48	91	28.5	12.5
1/2"	15	58	52	103	28.5	13
3/4"	20	65	61	111	34.8	21
1"	25	80	65	126	34.8	22.5
1-1/4"	32	92	79	154	38.1	23.5
1-1/2"	38	105	83	154	38.1	23.5
2"	50	125	97	191	38.1	23.5
2-1/2"	64	155.6	129	244	56	32
3"	76	183	138	244	56	35
4"	94	240	175	315	63	50