

3-PC BALL VALVE

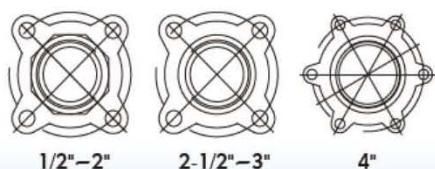
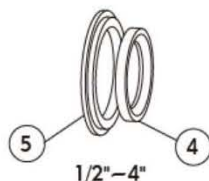
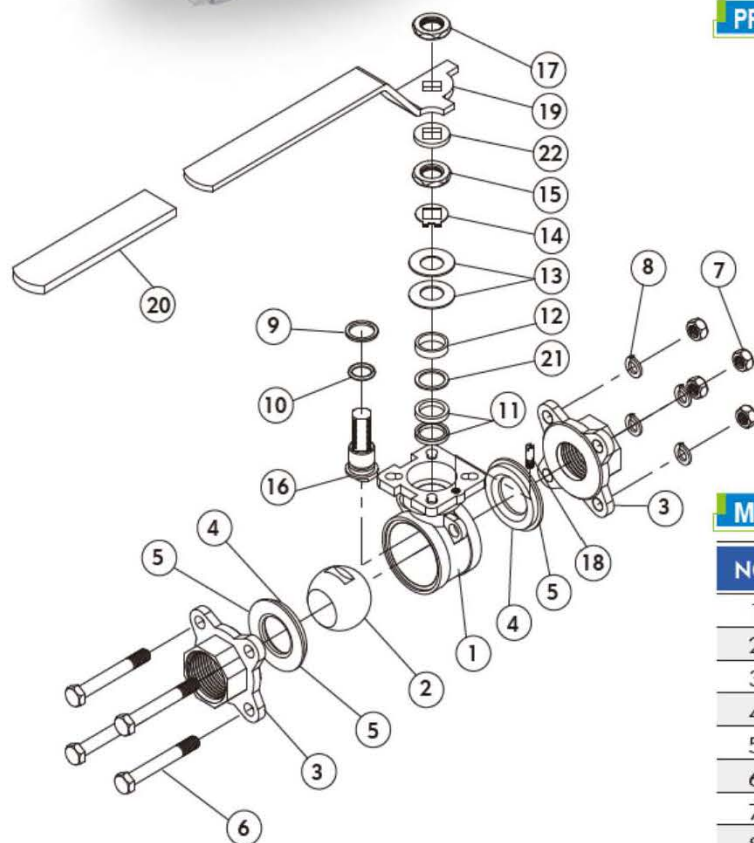
H3T



FEATURES

- FULL PORT
- INVESTMENT CASTING
- MATERIAL: ASTM-A351-CF8M, ASTM-A351-CF8
ASTM-A351-CF3M, ASTM-A216-WCB
- WORKING PRESSURE: 1000WOG (1/2"~2")
800WOG (2-1/2"~4")
- END CONNECTIONS: THREADED / SOCKET WELDED
BUTT WELDED END
- SIZE RANGING: 1/2"~4" (DN15~DN100)
- WITH ISO 5211 DIRECT MOUNTING PAD
- OPTIONS: LOCKING DEVICE

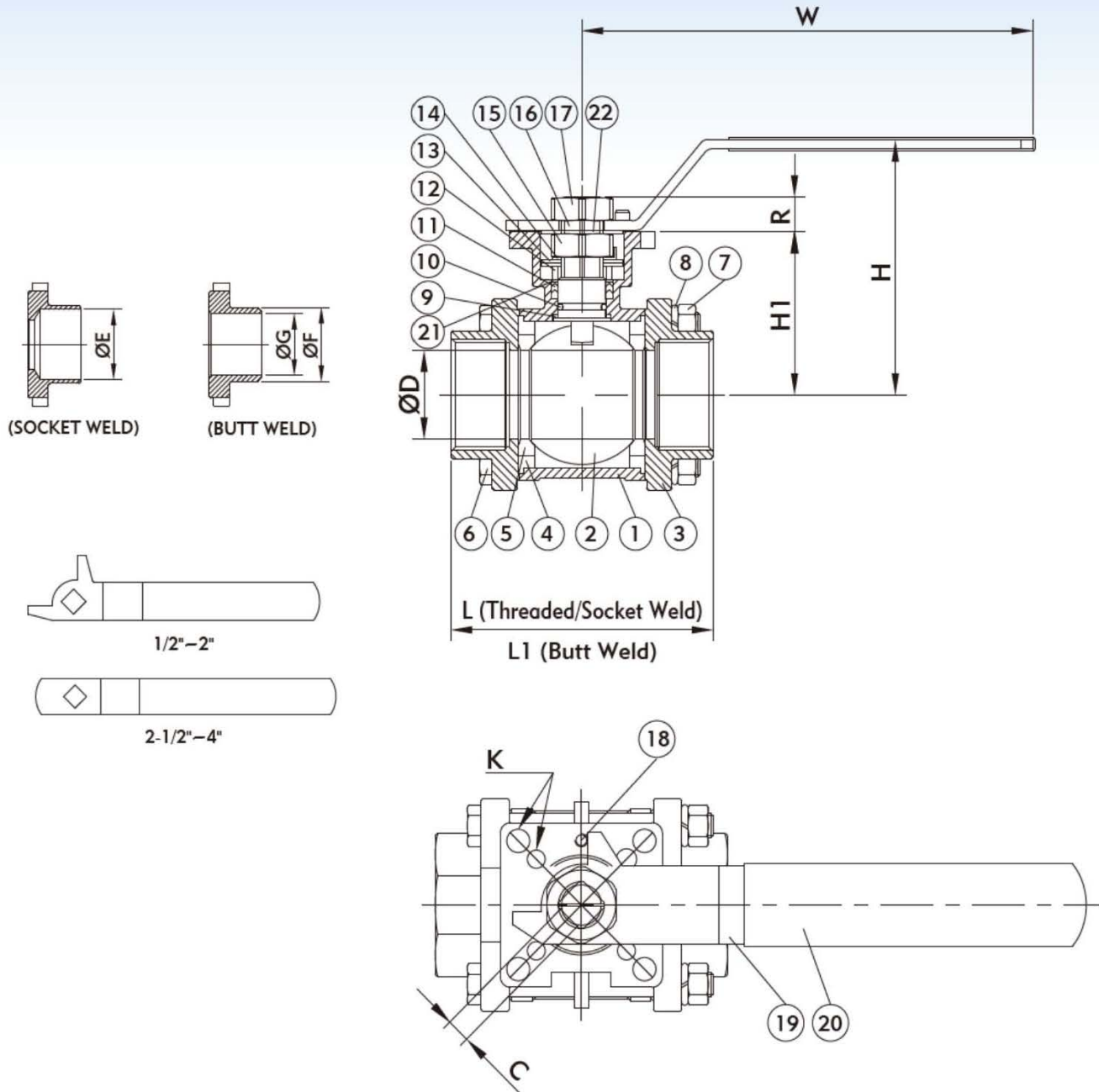
PRESSURE-TEMPERATURE CHART



MATERIALS LIST

NO.	DESCRIPTION	Q'TY	MATERIAL	
1	BODY	1	ASTM-A351-CF8M	ASTM-A216-WCB
2	BALL	1	ASTM-A351-CF8M	ASTM-A351-CF8
3	CAP	2	ASTM-A351-CF8M	ASTM-A216-WCB
4	SEAT	2	PTFE	PTFE
5	JOINT GASKET	2	PTFE	PTFE
6	BOLT	4-6	SUS 304	SUS 304
7	NUT	4-12	SUS 304	SUS 304
8	SPRING WASHER	4-12	SUS 304	SUS 304
9	THRUST WASHER	1	PTFE	PTFE
10	O-RING	1	VITON	VITON
11	STEM PACKING	1	PTFE	PTFE
12	GLAND BUSH	1	SUS 304	SUS 304
13	BELLEVILLE WASHER	2	SUS 301	SUS 301
14	STOP WASHER	1	SUS 304	SUS 304
15	STEM NUT	1	SUS 304	SUS 304
16	STEM	1	SUS 316	SUS 304
17	HANDLE NUT	1	SUS 304	SUS 304
18	STOP PIN	1	SUS 304	SUS 304
19	HANDLE	1	SUS 304	SUS 304
20	HANDLE COVER	1	PLASTIC	PLASTIC
21	THRUST WASHER	1	PTFE 15%	PTFE 15%
22	SQUARE WASHER	1	SUS304	SUS304

3-PC BALL VALVE



DIMENSION

UNIT:MM

SIZE	C	øD	øE	øF	øG	H	H1	K	L	L1	R	W
1/2"	9	15	21.9	22	18	73	36	F03/F04	66	73	9	111
3/4"	9	20	27.2	28	23	78	41	F03/F04	70.5	84	9	111
1"	11	25	34.1	31.5	28	87.5	49.5	F04/F05	87	95	11	186
1-1/4"	11	32	42.8	40	35	94	56	F04/F05	96	100	11	186
1-1/2"	14	38	48.8	46	41	109	70	F05/F07	113.5	119.5	14	197
2"	14	50	61.2	60	53	117	78	F05/F07	129	134.5	14	197
2-1/2"	17	65	74	78	69	139	98	F07/F10	155.5	167	17	265.5
3"	17	80	90.1	91.5	84	149.5	108.5	F07/F10	182	182	17	265.5
4"	22	100	115.5	121.5	104	195	140	F10/F12	226	225	22	321

3 WAY BALL VALVE (ECONOMIC TYPE)

H4T-HL



FEATURES

- FULL PORT / REDUCED PORT / STANDARD PORT
- INVESTMENT CASTING
- MATERIAL: ASTM-A351-CF8M, ASTM-A351-CF8
ASTM-A351-CF3M, ASTM-A216-WCB
- WORKING PRESSURE: 1000WOG / PN63
- END CONNECTIONS: THREADED / SOCKET WELDED END
(ANSI B16.25)
- SIZE RANGING: FULL PORT / 1/2"~2" (DN15~DN50)
STANDARD PORT / 1/2" (DN15)
REDUCED PORT / 3/4"~ 2" (DN20~DN50)
- BALL OPTIONS: L PORT / T PORT
- WITH ISO 5211 DIRECT MOUNTING PAD
- WITH LOCKING DEVICE

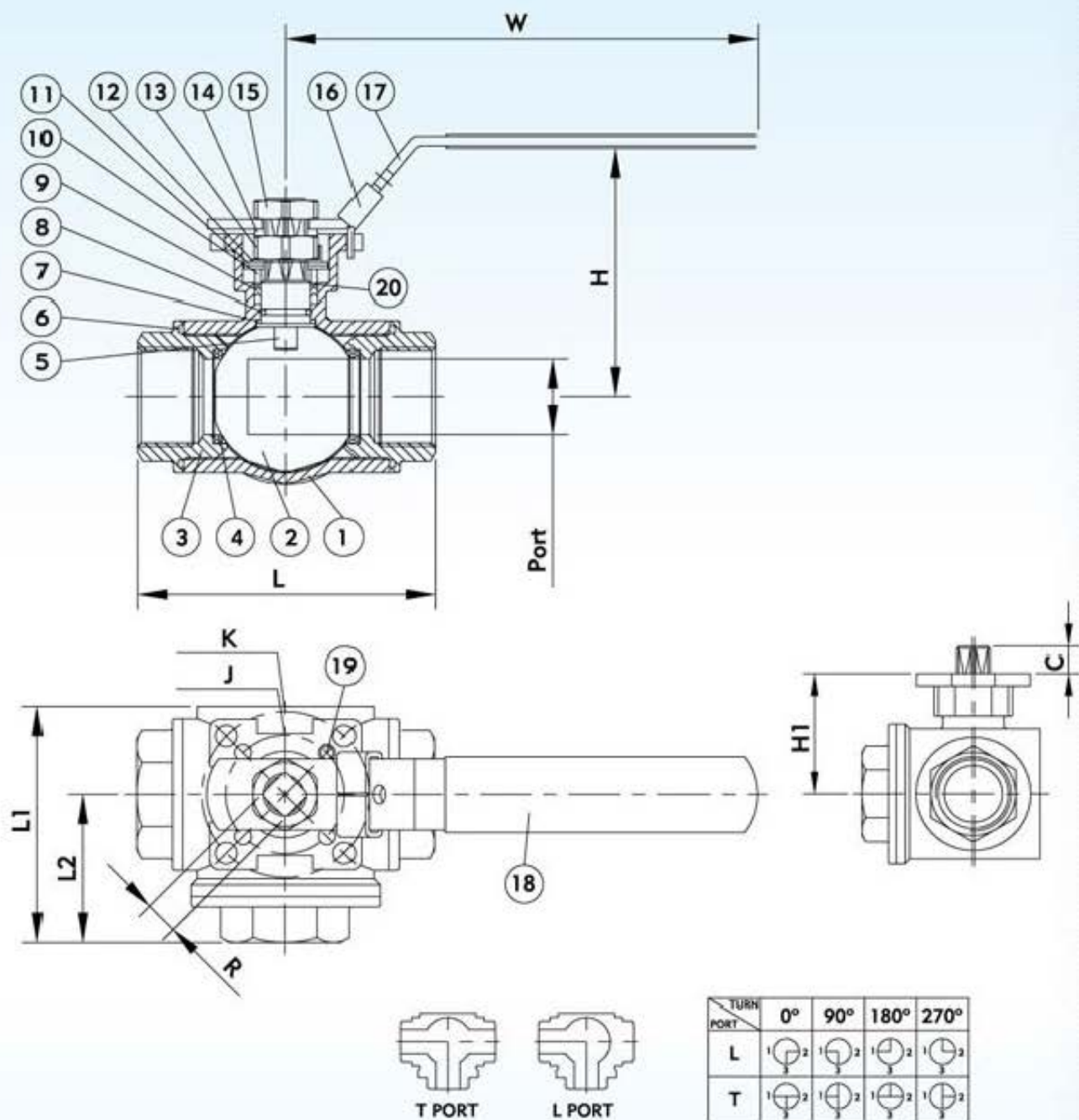
MATERIALS LIST

NO.	DESCRIPTION	QTY	MATERIAL	
1	BODY	1	ASTM-A351-CF8M	ASTM-A216-WCB
2	BALL	1	ASTM-A351-CF8M	ASTM-A351-CF8
3	CAP	3	ASTM-A351-CF8M	ASTM-A216-WCB
4	SEAT	3	PTFE	PTFE
5	STEM	1	SUS 316	SUS 304
6	JOINT GASKET	3	VITON	VITON
7	THRUST WASHER	1	PTFE	PTFE
8	O-RING OF STEM	1	VITON	VITON
9	STEM PACKING	1	PTFE	PTFE
10	GLAND BUSH	1	SUS 304	SUS 304
11	BELLEVILLE WASHER	2	SUS 301	SUS 301
12	STOP WASHER	1	SUS 304	SUS 304
13	STEM NUT	1	SUS 304	SUS 304
14	SQUARE WASHER	1	SUS 304	SUS 304
15	HANDLE NUT	1	SUS 304	SUS 304
16	LOCKING PAD	1	SUS 304	SUS 304
17	HANDLE	1	SUS 304	SUS 304
18	HANDLE COVER	1	PLASTIC	PLASTIC
19	STOP PIN	1	SUS 304	SUS 304
20	THRUST WASHER	1	PTFE 15%	PTFE 15%
21	STOP PIN NUT	1	SUS 304	SUS 304

PRESSURE-TEMPERATURE CHART



3 WAY BALL VALVE (ECONOMIC TYPE)



DIMENSION

UNIT:MM

FULL PORT	RED. PORT	STD. PORT	Port	C	H	H1	J	K	L	L1	L2	R	W
		1/2"	12.5	9	72	37	F03	F04	76	57	38	9	128
1/2"	3/4"		16	9	75	40	F03	F04	83	62.5	41.5	9	128
3/4"	1"		20	9	84	49	F04	F05	99	76	49.5	9	128
1"	1-1/4"		25	11	90	55	F04	F05	112	89	56	11	187
1-1/4"	1-1/2"		32	14	104	68	F05	F07	125	100	62.5	14	197
1-1/2"	2"		38	14	113.5	77.5	F05	F07	149	121	74.5	14	197
2"			50	17	126	90	F07	F10	174	139	87	17	265

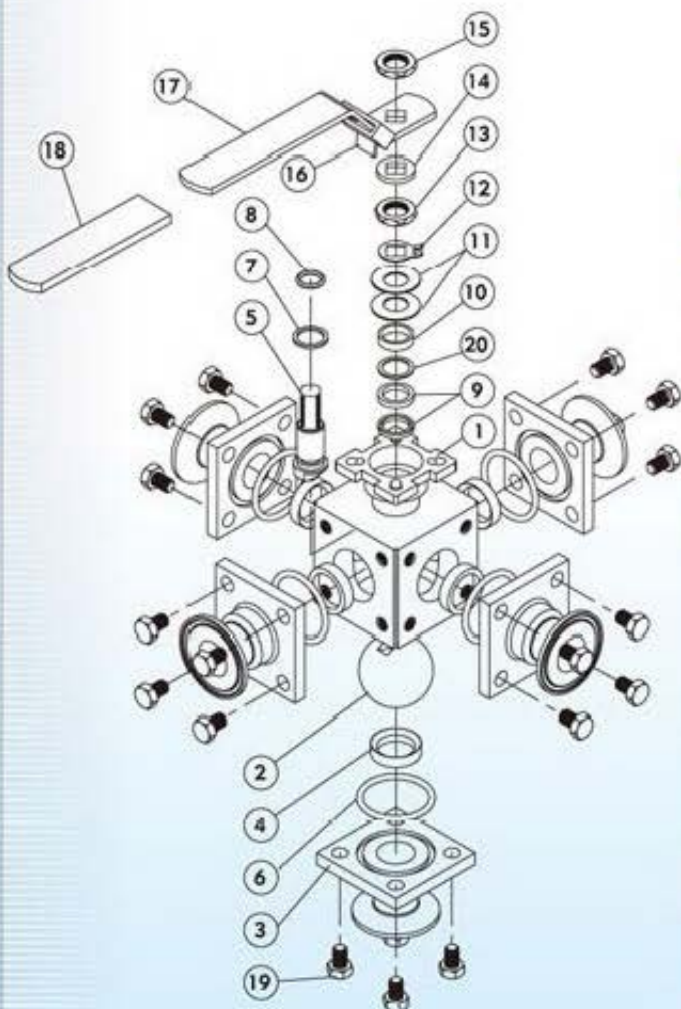
3, 4, 5 WAY SANITARY BALL VALVE

H6SC-HL



FEATURES

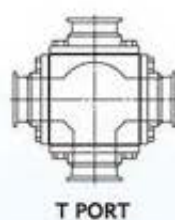
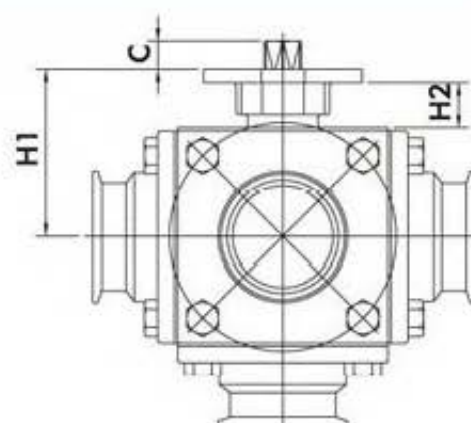
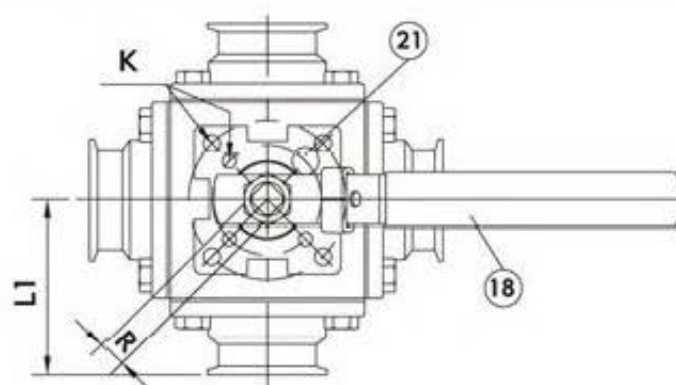
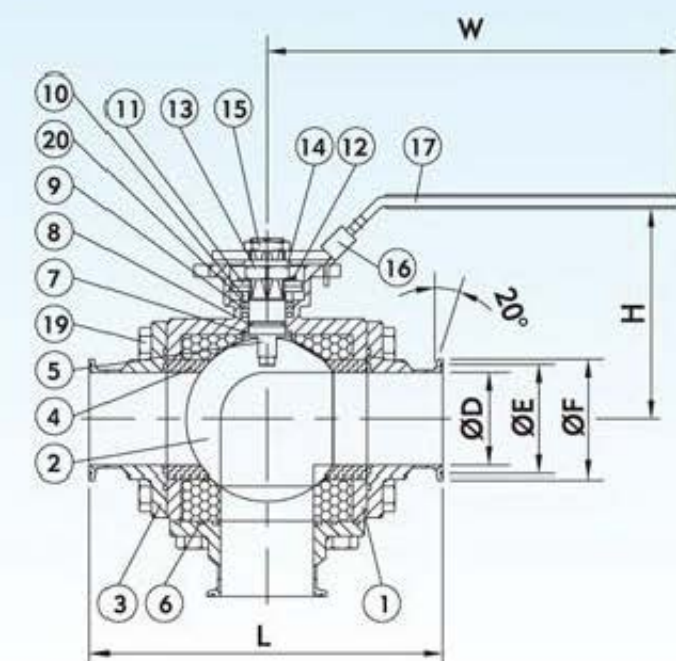
- STANDARD PORT
- INVESTMENT CASTING
- MATERIAL: ASTM-A351-CF8M, ASTM-A351-CF3M
- WORKING PRESSURE: 800WOG / PN40
- END CONNECTIONS: ASME BPE-2005
- SIZE RANGING: 1/2"~4" (DN15~DN100)
1-1/4" (DN32) IS NOT AVAILABLE
- BALL OPTIONS: L PORT / T PORT / X PORT
- BALL SEAT: WITH CAVITY FILLED PTFE
- WITH ISO 5211 DIRECT MOUNTING PAD
- WITH LOCKING DEVICE



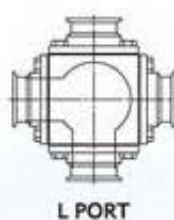
MATERIALS LIST

NO.	DESCRIPTION	QTY	MATERIAL	
1	BODY	1	ASTM-A351-CF8M	ASTM-A351-CF8M
2	BALL	1	ASTM-A351-CF8M	ASTM-A351-CF8M
3	CAP	5	ASTM-A351-CF8M	ASTM-A351-CF8M
4	SEAT	5	PTFE	PTFE
5	STEM	1	SUS 316	SUS 304
6	JOINT GASKET	5	SILICONE	SILICONE
7	THRUST WASHER	1	PTFE	PTFE
8	O-RING OF STEM	1	VITON	VITON
9	STEM PACKING	1	PTFE	PTFE
10	GLAND BUSH	1	SUS 304	SUS 304
11	BELLEVILLE WASHER	2	SUS 301	SUS 301
12	STOP WASHER	1	SUS 304	SUS 304
13	STEM NUT	1	SUS 304	SUS 304
14	SQUARE WASHER	1	SUS 304	SUS 304
15	HANDLE NUT	1	SUS 304	SUS 304
16	LOCKING PAD	1	SUS 304	SUS 304
17	HANDLE	1	SUS 304	SUS 304
18	HANDLE COVER	1	PLASTIC	PLASTIC
19	BOLT	20	SUS 304	SUS 304
20	THRUST WASHER	1	PTFE 15%	PTFE 15%

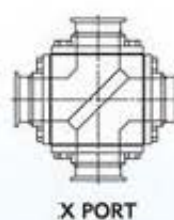
3, 4, 5 WAY SANITARY BALL VALVE



T PORT



L PORT



X PORT

TURN PORT	0°	90°	180°	270°
L				
T				
X				

DIMENSION

UNIT:MM

SIZE	C	øD	øE	øF	H	H1	H2	K	L	L1	R	W
1/2"	9	9.5	20.3	25	82	48	18.5	F03/F04	118	59	9	128
3/4"	9	15.8	20.3	25	87	53	20	F03/F04	127	63.5	9	128
1"	11	22.1	43.6	50.4	97	63	23	F04/F05	152.5	76.5	11	186
1-1/2"	14	34.8	43.6	50.4	110.5	75.5	23.5	F05/F07	175	87.5	14	197
2"	14	47.5	56.3	63.9	118	83	21	F05/F07	190	95	14	217
2-1/2"	17	60.2	70.6	77.4	135	100	27	F07/F10	228	114	17	275
3"	17	72.9	83.3	90.9	160	125	37.5	F07/F10	260	130	17	275
4"	22	97.4	110.3	118.9	184	135	38.5	F10/F12	318	159	22	330

2-PC FLANGED BALL VALVE

H2FPN16F4



FEATURES

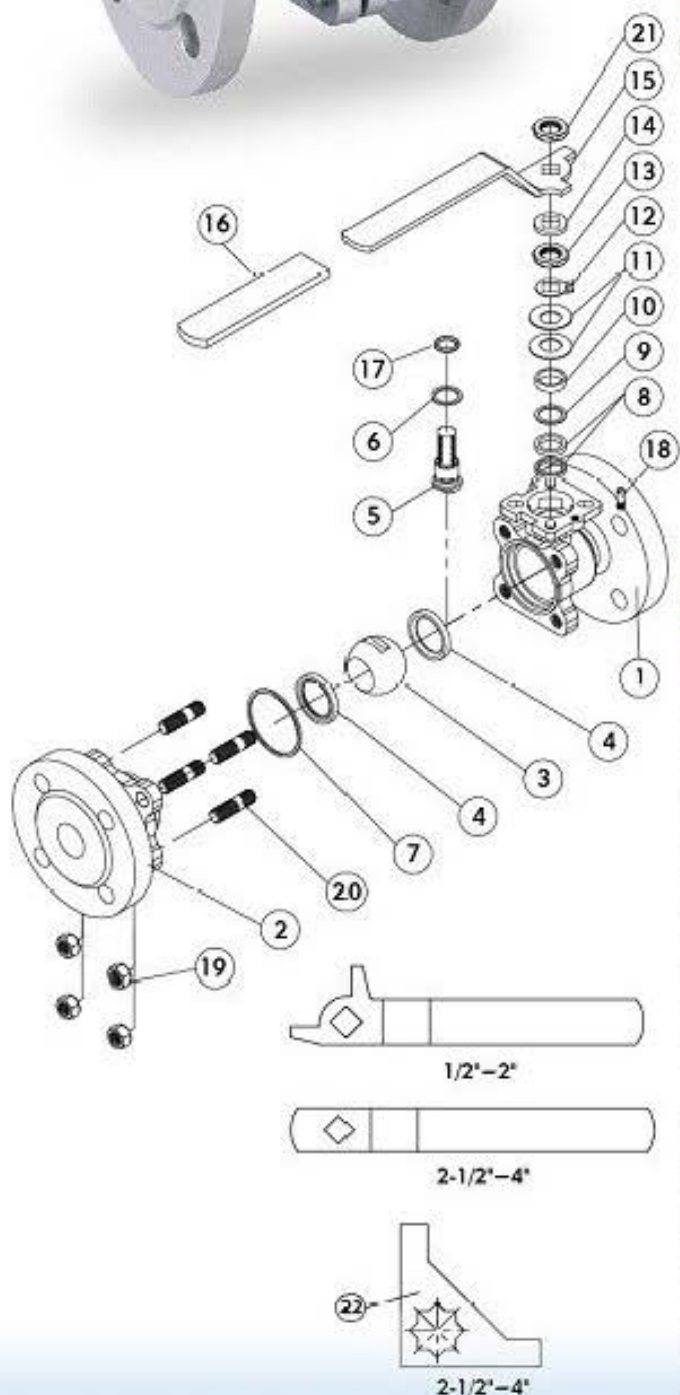
- FULL PORT
- INVESTMENT CASTING
- MATERIAL: EN10213-1.4408, EN10213-1.4308
EN10213-1.4409, EN10213-1.0619
- WORKING PRESSURE: DIN PN16
- FLANGE DIMENSION: DIN 2543
- FACE TO FACE DIMENSION: DIN 3202 / F4 TYPE
- FIRE SAFE DESIGN
- SIZE RANGING: 1/2"~4" (DN15~DN100)
1/2"~2" (DN15~DN50) ARE COMMON
TYPE WITH PN40
- WITH ISO 5211 DIRECT MOUNTING PAD
- OPTIONS: LOCKING DEVICE

PRESSURE-TEMPERATURE CHART

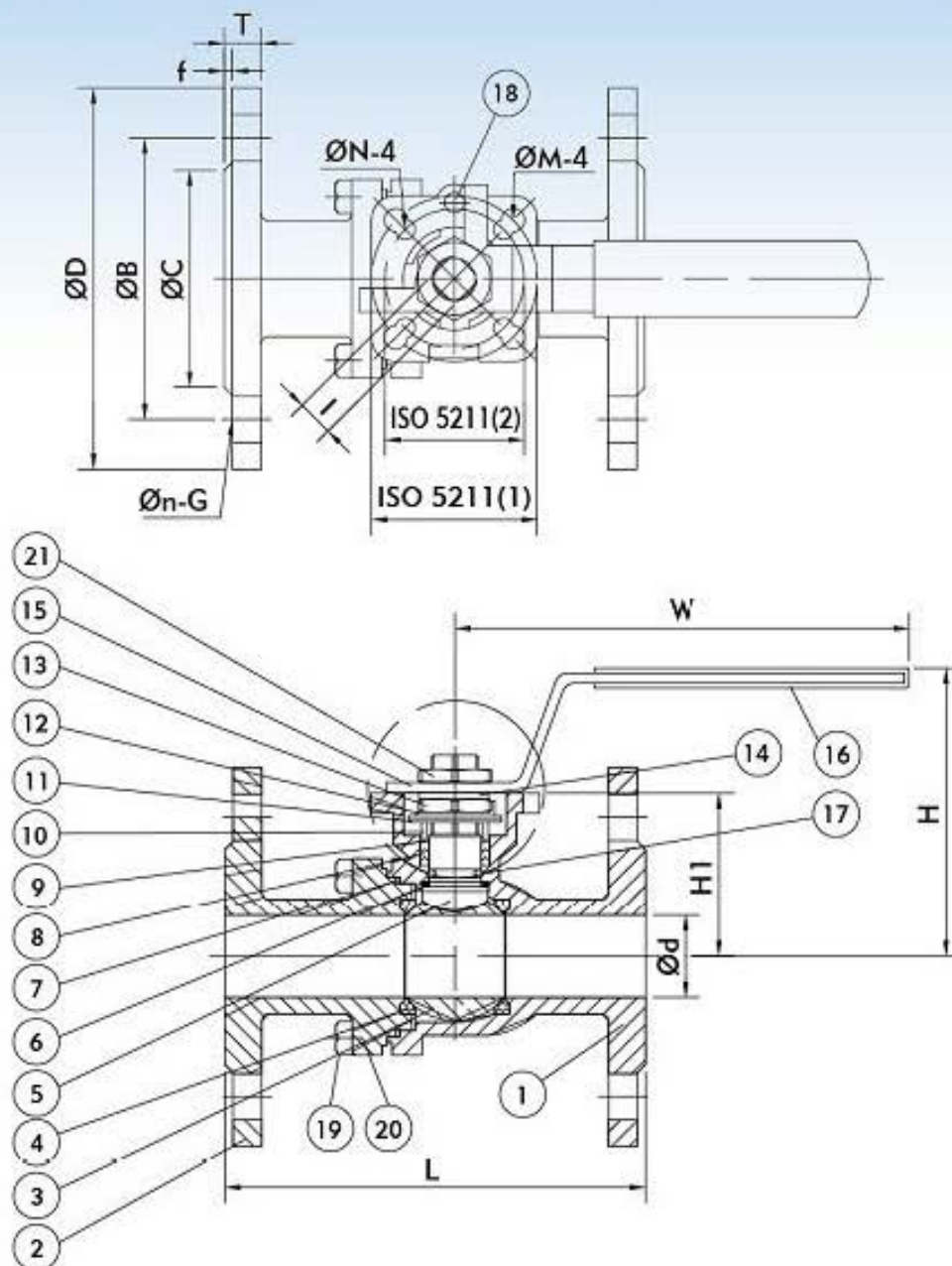


MATERIALS LIST

NO.	DESCRIPTION	QTY	MATERIAL	
1	BODY	1	ASTM-A351-CF8M	ASTM-A216-WCB
2	CAP	1	ASTM-A351-CF8M	ASTM-A216-WCB
3	BALL	1	ASTM-A351-CF8M	ASTM-A351-CF8
4	SEAT	2	PTFE	PTFE
5	STEM	1	SUS 316	SUS 304
6	THRUST WASHER	1	PTFE	PTFE
7	JOINT GASKET	1	PTFE	PTFE
8	STEM PACKING	1	PTFE	PTFE
9	THRUST WASHER	1	PTFE 15%	PTFE 15%
10	GLAND BUSH	1	SUS 304	SUS 304
11	BELLEVILLE WASHER	2	SUS 301	SUS 301
12	STOP WASHER	1	SUS 304	SUS 304
13	STEM NUT	1	SUS 304	SUS 304
14	SQUARE WASHER	1	SUS 304	SUS 304
15	HANDLE	1	SUS 304	SUS 304
16	HANDLE COVER	1	PLASTIC	PLASTIC
17	O-RING	1	VITON	VITON
18	STOP PIN	1	SUS 304	SUS 304
19	NUT	4~8	SUS 304	SUS 304
20	BOLT	4~8	SUS 304	SUS 304
21	HANDLE NUT	1	SUS 304	SUS 304
22	STOPPER	1	SUS 304	SUS 304



2-PC FLANGED BALL VALVE



DIMENSION

UNIT:MM

SIZE	Ød	L=F4	H	I	ØB	ØC	ØD	W	f	T	ISO 5211 (1) (2)	ØM	ØN	Øn	G	H1
1/2"	15	115	76	9	65	45	95	111	2	16	F04 / F03	6	6	14	4	39
3/4"	20	120	78	9	75	58	105	111	2	18	F04 / F03	6	6	14	4	41
1"	25	125	88	11	85	68	115	186	2	18	F05 / F04	7	6	14	4	50
1-1/4"	32	130	94	11	100	78	140	186	2	18	F05 / F04	7	6	18	4	56
1-1/2"	38	140	109	14	110	88	150	197	3	18	F07 / F05	9	7	18	4	70
2"	50	151.5	117	14	125	102	165	197	3	20	F07 / F05	9	7	18	4	78
2-1/2"	65	170	139	17	145	122	185	265.5	3	18	F10 / F07	11	9	18	4	98
3"	80	182	149.5	17	160	138	200	265.5	3	20	F10 / F07	11	9	18	8	108.5
4"	100	190	195	22	180	158	220	321	3	20	F12 / F10	13	11	18	8	140