









DIRECT MOUNT 3-WAY/4-WAY CAVITY FILLED BALL VALVE

Model : Series M4T

1000PSI

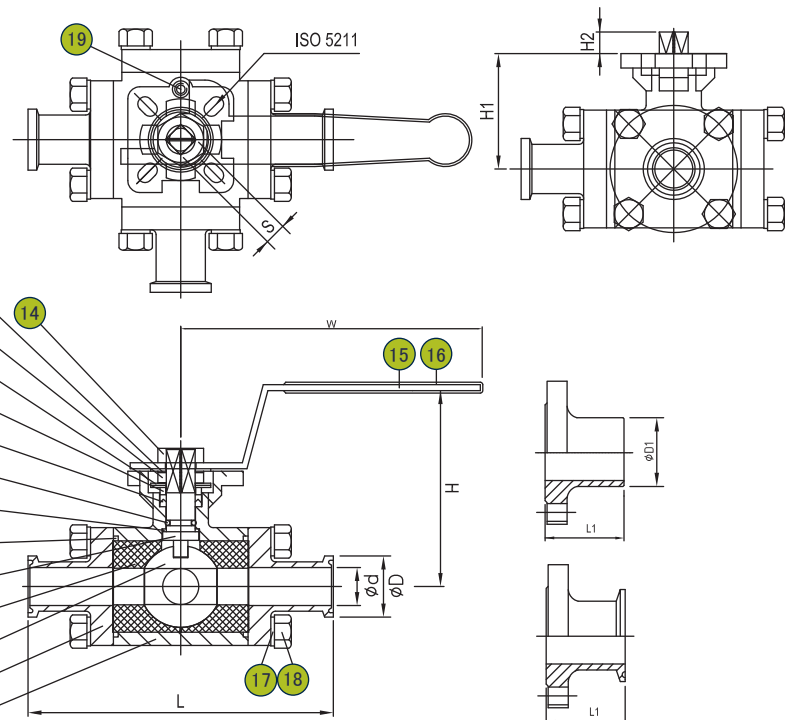
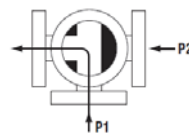
- **Body Material**
ASTM CF8M, DIN 1.4408
- **Size Range**
1/2" - 2" (DN15~DN50)
- **Pressure Rating**
1000PSI (PN63)
- **End Connection**
Tri-clamp
- **Standards**
ANSI B16.34
- **Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats
- **Port**
T-port, L-port

PORT TYPE	1	2	3	4
T				
L				



Application Limitation

Referring to below diagram, there is a limitation to the differential pressure between flow P2 and P1. Where $P2 > P1$, leakage from P2 to P1 could occur. The same logic follows for other L/T flow patterns.



Materials List:

NO.	PART NAME	MATERIAL
1	BODY	CF8M / CF3M
2	CAP	CF8M / CF3M
3	BALL	CF8M / CF3M
4	BALL SEAT	PTFE / TFM 1600
5	STEM	ASTM A276 316
6	BODY SEAL	PTFE
7	THRUST WASHER	PTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	SS304
11	BELLEVILLE WASHER	SS301
12	STEM NUT	SS304
13	HANDLE NUT	SS304
14	LOCK SADDLE	SS304
15	HANDLE	SS304
16	HANDLE SLEEVE	VINYL
17	SPRING WASHER	SS304
18	BOLT	SS304
19	STOP PIN & SCREW	SS304

Dimensions (mm):

SIZE			L	H	W	S	H1	H2	D	D1	L1	ISO 5211	TORQUE	
IN	DN	d											in-lbs	NM
1/2"	15	9.5	118.0	78	121	9	44.5	9	25.2	12.7	32.0	F03/F04	95	11
3/4"	20	15.8	127.0	82	121	9	48.0	9	25.2	19.1	34.0	F03/F04	110	13
1"	25	22.2	152.4	90	137	11	59.0	11	50.5	25.4	42.2	F04/F05	150	17
1-1/2"	40	35.0	175.0	110	182	14	72.0	14	50.5	38.1	43.0	F05/F07	350	40
2"	50	47.6	190.0	115	182	14	82.0	14	64.0	50.8	40.0	F05/F07	780	88









Note: Torque measured at ambient temperature with no loading; safety factor is not included.
Select size(s) may be under development, please consult with us for details.

DIRECT MOUNT 3-WAY/4-WAY CAVITY FILLED BALL VALVE

Model : Series M4T

800PSI

- **Body Material**
ASTM CF8M, DIN 1.4408
- **Size Range**
2-1/2" - 3" (DN65~DN80)
- **Pressure Rating**
800PSI (PN50)
- **End Connection**
Tri-clamp
- **Standards**
ANSI B16.34
- **Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats
- **Port**
T-port, L-port

PORT TYPE	1	2	3	4
T				
L				

Materials List:

NO.	PART NAME	MATERIAL
1	BODY	CF8M
2	CAP	CF8M
3	BALL	CF8M
4	BALL SEAT	PTFE / TFM 1600
5	STEM	ASTM A276 316
6	THRUST WASHER	PTFE
7	BODY SEAL	PTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	SS304
11	BELLEVILLE WASHER	SS301
12	LOCK SADDLE	SS304
13	STEM NUT	SS304
14	HANDLE NUT	SS304
15	HANDLE ADAPTOR	CF8
16	HANDLE BAR	SS304
17	HANDLE SLEEVE	VINYL
18	STOP PIN & SCREW	SS304
19	BOLT	SS304
20	SPRING WASHER	SS304
21	BOLT	SS304

Dimensions (mm):

SIZE	IN	DN	d	L	H	W	S	H1	H2	D	D1	L1	ISO 5211	TORQUE	in-lbs	NM
2-1/2"	65	60.2	228.0	108	370	17	100.0	17	77.5	63.5	52.2	F07/F10	1060	120		
3"	80	73.0	260.0	134	400	22	125.5	23	91.0	76.2	55	F10/F12	1750	198		
4"	100	97.4	289.0	156	400	22	135.5	23	119.0	101.6	74.0	F10/F12	1900	215		

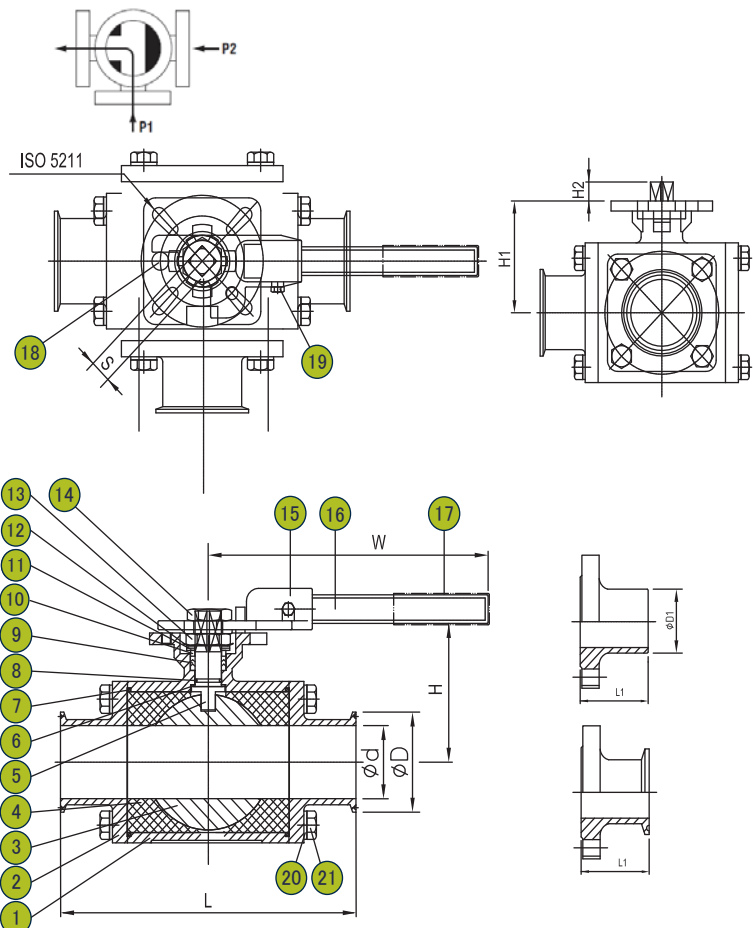
Note: Torque measured at ambient temperature with no loading; safety factor is not included.

Select size(s) may be under development, please consult with us for details.



Application Limitation

Referring to below diagram, there is a limitation to the differential pressure between flow P2 and P1. Where P2>P1, leakage from P2 to P1 could occur. The same logic follows for other L/T flow patterns.



DIRECT MOUNT 3-WAY/4-WAY CAVITY FILLER BALL VALVE

Model : Series M4T

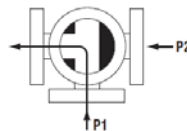
800PSI

- **Body Material**
1.4408, CF8M
- **Size Range**
4" (DN100)
- **Pressure Rating**
800PSI
- **End Connection**
Tri-clamp
- **Standards**
ANSI B16.34
- **Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats
- **Port**
T-port, L-port



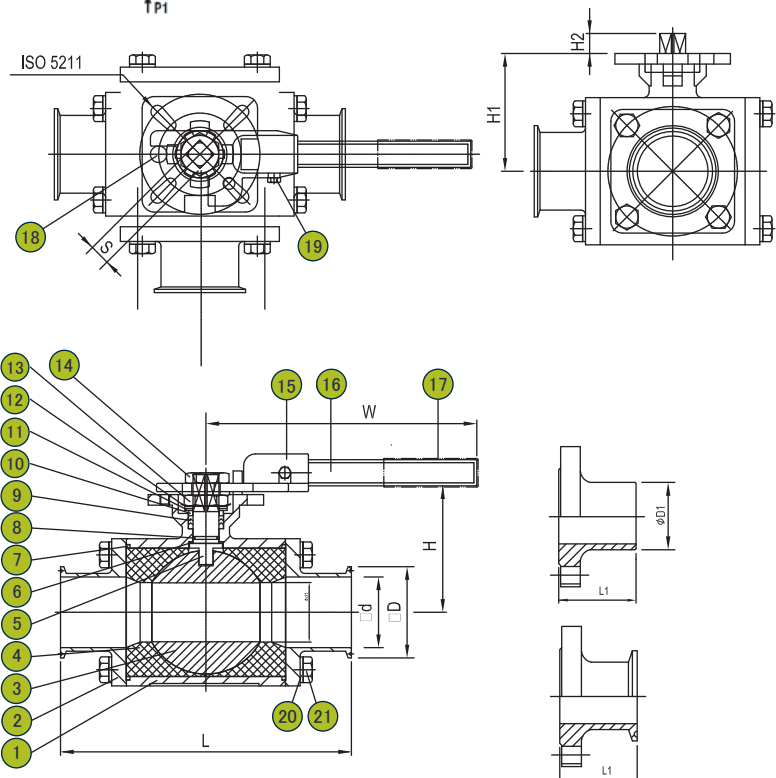
Application Limitation

Referring to below diagram, there is a limitation to the differential pressure between flow P2 and P1. Where $P2 > P1$, leakage from P2 to P1 could occur. The same logic follows for other L/T flow patterns.



Materials List:

NO.	PART NAME	MATERIAL
1	BODY	CF8M / CF3M
2	CAP	CF8M / CF3M
3	BALL	CF8M / CF3M
4	BALL SEAT	PTFE / TFM 1600
5	STEM	ASTM A276 316
6	THRUST WASHER	PTFE
7	BODY SEAL	PTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	SS304
11	BELLEVILLE WASHER	SS301
12	LOCK SADDLE	SS304
13	STEM NUT	SS304
14	HANDLE NUT	SS304
15	HANDLE ADAPTOR	CF8
16	HANDLE BAR	SS304
17	HANDLE SLEEVE	VINYL
18	STOP PIN & SCREW	SS304
19	BOLT	SS304
20	SPRING WASHER	SS304
21	BOLT	SS304



800PSI Dimensions (mm):

SIZE IN	DN	d	d1	L	H	W	S	H1	H2	D	D1	L1	ISO 5211	TORQUE in-lbs NM
4"	100	97.4	80.0	289.0	156	400	22	135.5	23	119.0	101.6	74.0	F10/F12	1900