

SPLIT BODY DIRECT-MOUNT FLANGE END BALL VALVE - GLAND DESIGN

Model: Series 2D (Formerly TC-205FF)

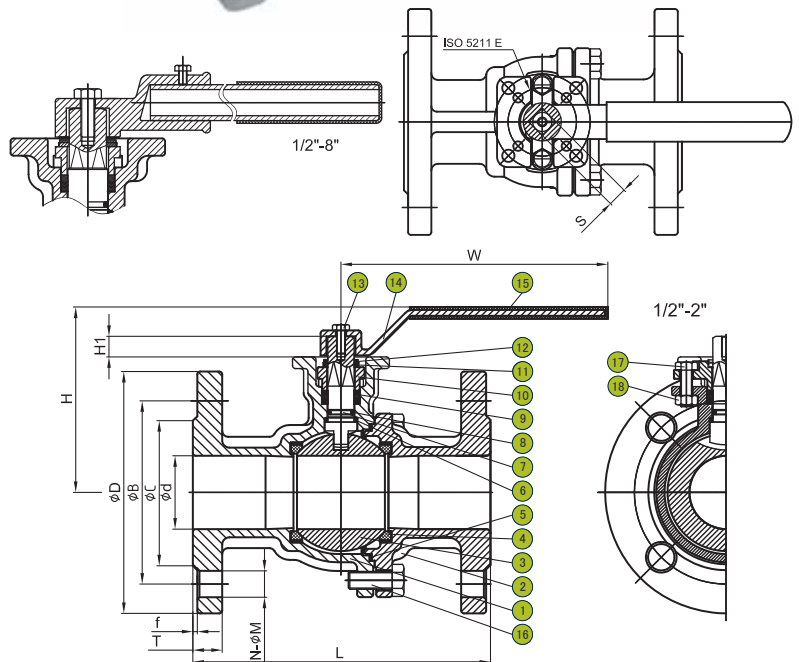
ANSI CLASS 150

- Body Material**
CF8M, CF8, WCB
- Size Range**
1/2" - 8" (DN15-DN200)
- Pressure Rating**
Class150, 150PSI Saturated steam
- End Connection**
Flanged RF
- Standards**
Flange acc. to ASME B16.5
Face-to-face acc. to ASME B16.0
- Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats



Materials List:

NO.	PART NAME	MATERIAL
1	BODY	WCB / CF8 / CF8M
2	CAP	WCB / CF8 / CF8M
3	BALL	CF8 / CF8 / CF8M
4	BALL SEAT	PTFE
5	BODY SEAL	PTFE
6	THRUST WASHER	TFM 4215
7	STEM	SS304 / SS316
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	CF8
11	STOPPER	SS304
12	SNAP RING	SS304
13	HANDLE BOLT	CARBON STEEL / SS304
14	HANDLE	SS304
15	HANDLE SLEEVE	VINYL
16	BODY BOLT	CARBON STEEL / SS304
17	BODY BOLT	CARBON STEEL / SS304
18	BODY NUT	CARBON STEEL / SS304



Class 150 Dimensions (mm):

SIZE	IN	DN	d	L	H	W	D	B	C	T	f	S	H1	N	M	ISO 5211	Torque N.m.
1/2"	15	15	108	84	123	89	60.5	35	11.1	1.6	9	9	4	16	F03/F04	14	
3/4"	20	20	117	94	123	98	70.0	43	11.1	1.6	9	9	4	16	F03/F04	18	
1"	25	25	127	101	153	108	79.5	51	11.1	1.6	11	11	4	16	F04/F05	22	
1-1/4"	32	32	140	108	153	117	89.5	64	12.7	1.6	11	11	4	16	F04/F05	25	
1-1/2"	40	40	165	121	183	127	98.5	73	14.3	1.6	14	14	4	16	F05/F07	29	
2"	50	50	178	127	183	152	120.5	92	15.9	1.6	14	14	4	19	F05/F07	34	
2-1/2"	65	65	190	154	352	178	139.5	105	17.5	1.6	17	17	4	19	F07/F10	50	
3"	80	80	203	165	352	190	152.5	127	19.1	1.6	17	17	4	19	F07/F10	75	
4"	100	100	229	183	397	229	190.5	157	23.9	1.6	22	22	8	19	F10/F12	100	
5"	125	125	356	229	708	254	216.0	186	23.9	3	27	27	8	22	F10/F12	170	
6"	150	150	394	248	708	279	241.5	216	25.4	1.6	27	27	8	22	F10/F12	270	
8"	200	200	457	304	920	343	298.5	270	28.6	1.6	36	36	8	22	F14	380	

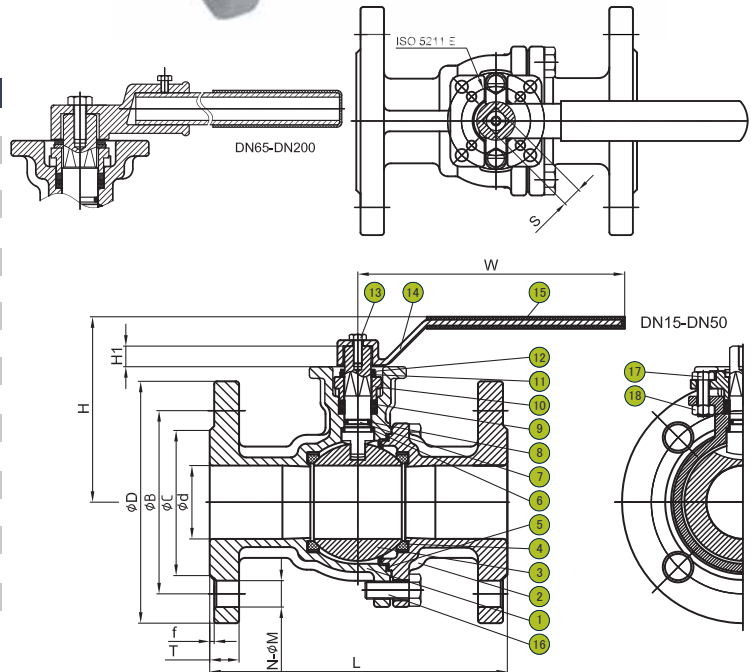
Note: Torque measured at ambient temperature with no loading; safety factor is not included.
Select size(s) may be under development, please consult with us for details.

SPLIT BODY DIRECT-MOUNT FLANGE END BALL VALVE - GLAND DESIGN

Model: Series 2D (Formerly TC-205FF)

DIN PN 16

- **Body Material**
1.4408, 1.4308, 1.0619
- **Size Range**
1/2" - 8" (DN15-DN200)
- **Pressure Rating**
PN16, 150PSI Saturated steam
- **End Connection**
Flanged RF
- **Standards**
Flange acc. to DIN 2633 PN16
Face-to-face acc. to DIN3202 -F4/F5
- **Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats



Materials List:

NO.	PART NAME	MATERIAL
1	BODY	1.0619 / 1.4308 / 1.4408
2	CAP	1.0619 / 1.4308 / 1.4408
3	BALL	1.4308 / 1.4308 / 1.4408
4	BALL SEAT	PTFE
5	BODY SEAL	PTFE
6	THRUST WASHER	TFM 4215
7	STEM	SS304 / SS316
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	CF8
11	STOPPER	SS304
12	SNAP RING	SS304
13	HANDLE BOLT	CARBON STEEL / SS304
14	HANDLE	SS304
15	HANDLE SLEEVE	VINYL
16	BODY BOLT	CARBON STEEL / SS304
17	BODY BOLT	CARBON STEEL / SS304
18	BODY NUT	CARBON STEEL / SS304

PN 16 Dimensions (mm):

SIZE	IN	DN	d	L	H	W	D	B	C	T	f	S	H1	N	M	ISO 5211	Torque N.m.
1/2"	15	15	115	84	123	95	65	45	14	2	9	9	4	14	F03/F04	14	
3/4"	20	20	120	94	123	105	75	58	16	2	9	9	4	14	F03/F04	18	
1"	25	25	125	101	153	115	85	68	16	2	11	11	4	14	F04/F05	22	
1-1/4"	32	32	130	108	153	140	100	78	16	2	11	11	4	18	F04/F05	25	
1-1/2"	40	40	140	121	183	150	110	88	16	3	14	14	4	18	F05/F07	29	
2"	50	50	150	127	183	165	125	102	18	3	14	14	4	18	F05/F07	34	
2-1/2"	65	65	170	154	352	185	145	122	18	3	17	17	4	18	F07/F10	50	
3"	80	80	180	165	352	200	160	138	20	3	17	17	8	18	F07/F10	75	
4"	100	100	190	183	397	220	180	158	20	3	22	22	8	18	F10/F12	100	
5"	125	125	325	229	708	250	210	188	22	3	27	27	8	18	F10/F12	170	
6"	150	150	350	248	708	285	240	212	22	3	27	27	8	22	F10/F12	270	
8"	200	200	400	304	920	340	295	268	24	3	36	36	12	22	F14	380	

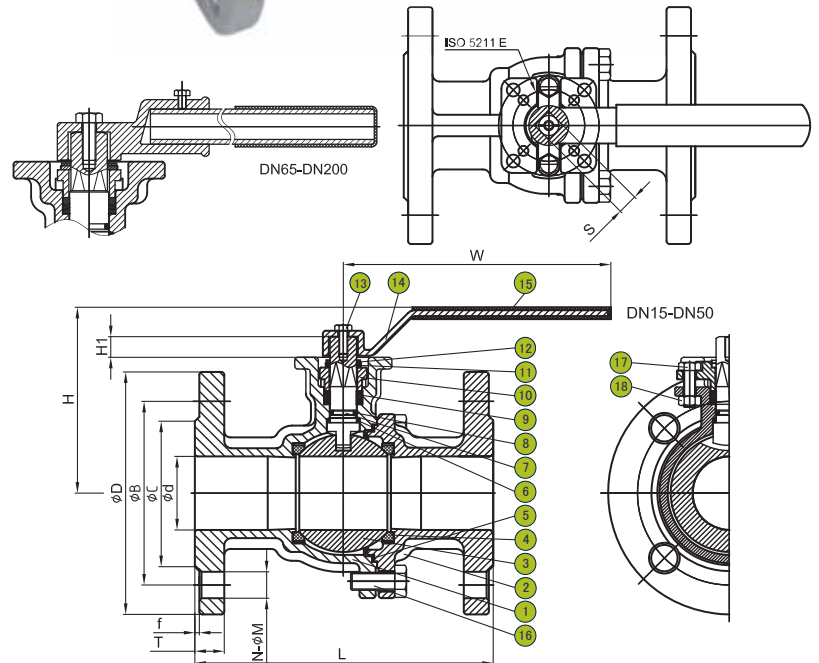
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SPLIT BODY DIRECT-MOUNT FLANGE END BALL VALVE - GLAND DESIGN

Model: Series 2D (Formerly TC-205FF)

DIN PN 40

- Body Material**
1.4408, 1.4308, 1.0619
- Size Range**
1/2" - 8" (DN15-DN200)
- Pressure Rating**
PN40, 150PSI Saturated steam
- End Connection**
Flanged RF
- Standards**
Flange acc. to DIN 2635 PN40
Face-to-face acc. to DIN3202 -F4/F5
- Temperature Range**
-4°F to 350°F (-20°C to 180°C) with PTFE seats



Materials List:

NO.	PART NAME	MATERIAL
1	BODY	1.0619 / 1.4308 / 1.4408
2	CAP	1.0619 / 1.4308 / 1.4408
3	BALL	1.4308 / 1.4308 / 1.4408
4	BALL SEAT	PTFE
5	BODY SEAL	PTFE
6	THRUST WASHER	TFM 4215
7	STEM	SS304 / SS316
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	CF8
11	STOPPER	SS304
12	SNAP RING	SS304
13	HANDLE BOLT	CARBON STEEL / SS304
14	HANDLE	SS304
15	HANDLE SLEEVE	VINYL
16	BODY BOLT	CARBON STEEL / SS304
17	BODY BOLT	CARBON STEEL / SS304
18	BODY NUT	CARBON STEEL / SS304

PN 40 Dimensions (mm):

SIZE IN	DN	d	L	H	W	D	B	C	T	f	S	H1	N	M	ISO 5211	Torque N.m.
1/2"	15	15	115	84	123	95	65	45	16	2	9	9	4	14	F03/F04	18
3/4"	20	20	120	94	123	105	75	58	18	2	9	9	4	14	F03/F04	22
1"	25	25	125	101	153	115	85	68	18	2	11	11	4	14	F04/F05	26
1-1/4"	32	32	130	108	153	140	100	78	18	2	11	11	4	18	F04/F05	32
1-1/2"	40	40	140	121	183	150	110	88	18	3	14	14	4	18	F05/F07	38
2"	50	50	150	127	183	165	125	102	20	3	14	14	4	18	F05/F07	47
2-1/2"	65	65	170	154	352	185	145	122	22	3	17	17	8	18	F07/F10	58
3"	80	80	180	165	352	200	160	138	24	3	17	17	8	18	F07/F10	100
4"	100	100	190	183	397	235	190	162	24	3	22	22	8	22	F10/F12	150
5"	125	125	325	229	708	270	220	188	26	3	27	27	8	26	F10/F12	200
6"	150	150	350	248	708	300	250	218	28	3	27	27	8	26	F10/F12	320
8"	200	200	400	304	920	375	320	285	34	3	36	36	12	30	F14	600

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.

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