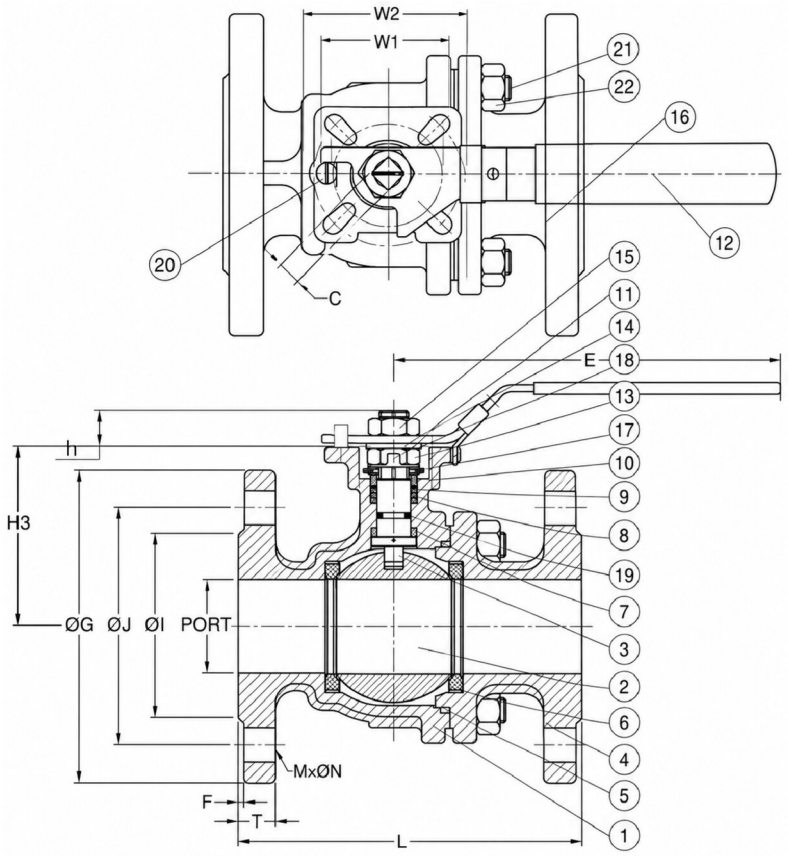
F-2BM

2-PC DIRECT-MOUNT FLANGED BALL VALVE

CLASS 150
ASME

01 ASSEMBLY



ASSEMBLY DRAWING · UNIT: MM · NO.1–22 → MATERIAL LIST

02 SPEC

SIZE RANGE
1/2″–4″

WORKING PRESSURE
ASME Class 150

BODY MATERIAL
CF8 / CF8M

CONNECTION
ASME B16.5 Flange

FACE-TO-FACE
ASME B16.10

TOP MOUNTING
ISO 5211

03 MATERIAL LIST

NO	PART NAME	MATERIAL
1	**Body**	A351 CF8 / CF8M
2	**Ball**	SS304 / SS316
3	**Stem**	SS304 / SS316
4	**End Cap**	A351 CF8 / CF8M
5	**Body Seal**	PTFE
6	**Seat**	RTFE
7	**Thrust Washer**	RTFE
8	**Stem Packing**	RTFE
9	**Thrust Washer**	PTFE
10	**Gland**	SS304
11	**Handle**	SS304

NO	PART NAME	MATERIAL
12	**Handle Cover**	Plastic
13	**Stem Nut**	SS304
14	**Handle Washer**	SS304
15	**Handle Nut**	SS304
16	**Locking Pad**	SS304
17	**Belleville Washer**	SS304
18	**Stop Washer**	SS304
19	**Stem O-Ring**	VITON
20	**Stop**	SS304
21	**Stud**	A193 B8
22	**Nut**	A194 Gr.8

04 DIMENSIONS (MM)

SIZE	PORT	L	E	h	H3	C	ØG	ØJ	ØI	T	F	M	ØN	W1	W2	ISO-5211
DN15 1/2″	15	108	110	7	48	9.0	89.0	60.5	35.0	11.6	1.6	4	16.0	36	42	F03/F04
DN20 3/4″	20	117	110	9	62	9.0	98.6	70.0	43.0	11.6	1.6	4	16.0	36	42	F03/F04
DN25 1″	25	127	136	12	64.5	11	108.0	79.2	51.0	11.6	1.6	4	16.0	42	50	F04/F05
DN32 1¼″	32	140	136	12	71	11	117.5	88.9	63.5	13.6	1.6	4	16.0	42	50	F04/F05
DN40 1½″	38	165	182	16	76	14.0	127.0	98.6	73.2	14.6	1.6	4	16.0	50	70	F05/F07
DN50 2″	50	178	182	16	84.5	14.0	152.5	120.7	92.0	16	1.6	4	19.0	50	70	F05/F07
DN65 2½″	65	190	265	19	99	17.0	177.8	139.7	104.7	17.0	1.6	4	19.0	70	102	F07/F10
DN80 3″	80	203	265	19	109	17.0	190.5	152.4	127.0	19.1	1.6	4	19.0	70	102	F07/F10
DN100 4″	100	229	265	24	139	17.0	228.6	190.5	157.2	23.9	1.6	8	19.0	70	102	F07/F10

PORT = BORE Ø · L = FACE-TO-FACE · ØG = FLANGE OD · ØJ = P.C.D · ØI = RAISED FACE Ø · T = FLANGE THK · M×ØN = BOLT HOLES · W1/W2 = TOP PAD · ISO-5211 = ACTUATOR PAD · FLANGE: ASME B16.5 · FACE-TO-FACE: ASME B16.10 · UNIT: MM