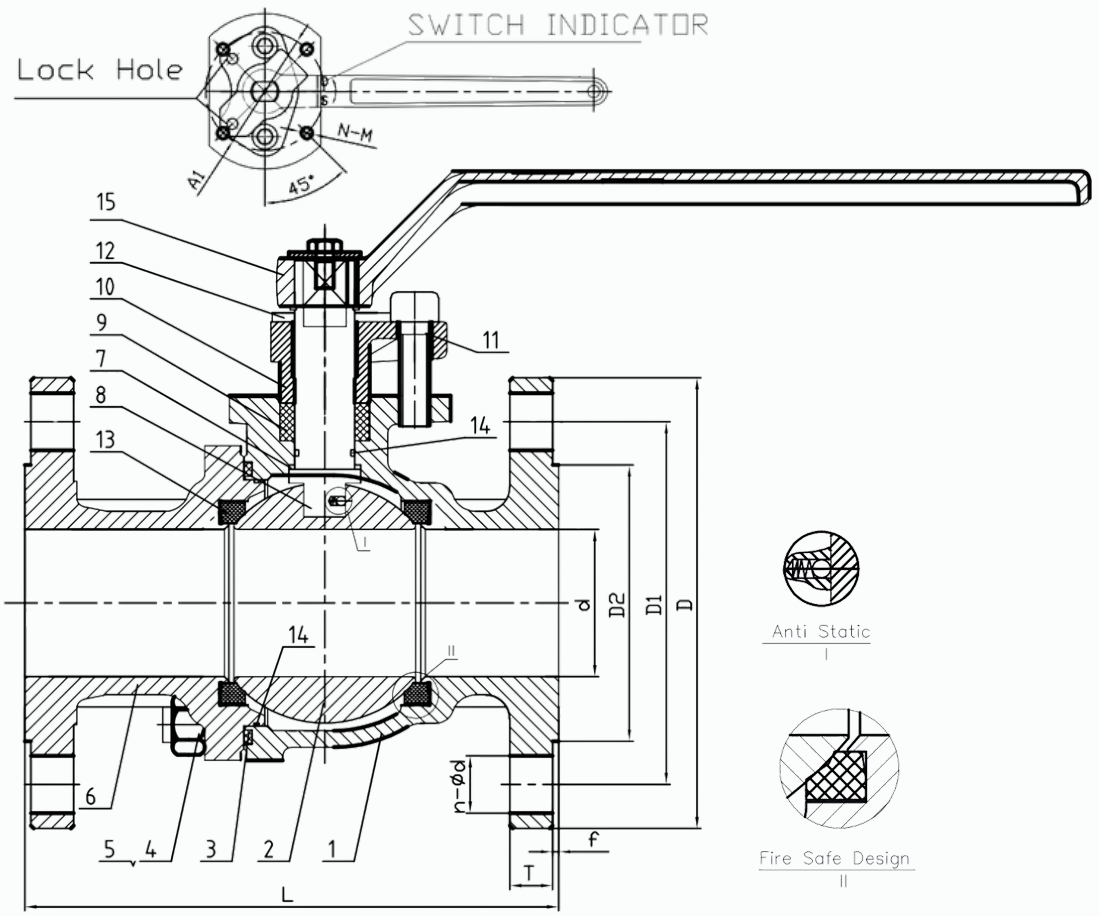
FLOWUNK Valves & Controls

API American Petroleum Institute

TÜVRheinland



Anti Static
I

Fire Safe Design
II

BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL	REMARKS
1	BODY	A351 CF8M	
2	BALL	A182 F316	
3	GASKET	SS316+GRAPHITE	
4	BOLT	A193 B8MA	
5	NUT	A194 8MA	
6	BONNET	A351 CF8M	
7	GASKET	PTFE	
8	STEM	17-4PH	
9	PACKING	GRAPHITE	
10	PACKING GLAND	A351 CF8	
11	SCREW	A193 B8MA	
12	LIMITING BLOCK	SS304 / 1025+ ZN	
13	SEAT	RPTFE	
14	O-RING	VITON AED	
15	HANDLE	STAINLESS STEEL (SS)	

PERFORMANCE STANDARDS

NOMINAL CL (PN)	150LB		**STANDARD**
SHELL TEST PRESSURE	*3.0 MPa*	*435 Psi*	API 598 with API 6D (Test duration)
SEAL TEST PRESSURE	*2.2 MPa*	*320 Psi*	API 598
AIR TEST PRESSURE	*0.6 MPa*	*87 Psi*	API 598 & ASME B16.34
TEMPERATURE RANGE	*-29 to +200°C*		*-20 TO 392 °F*
SUITABLE MEDIUM	Water/Oil/Natural Gas etc		
FUGITIVE EMISSIONS(FE) TESTING	ISO 15848-2		
JET FUEL COMPLIANCE	Suitable for Jet Fuel service		

DESIGN STANDARDS

PRESSURE RATING	ANSI Class 150	**VALVE TYPE**	Floating Ball
DESIGN	API 6D	**TEST & INSPECTION**	API 6D
FACE TO FACE DIMENSION	B16.10, API-6D	**FIRESAFE**	API 607 (Latest Edition)
END CONNECTION	ASME B16.5-RF, SF 3.2-6.3Ra	**MARKING**	MSS SP-25
ISO MOUNT	5211	**NACE**	MR 01-75 (Internal Wetted parts)
CERTIFICATION	EN10204, Type 3.1		

SIZE	DN	d	L	D	D1	D2	T	f	n-ød	ISO 5211	Torque Without Safety Factor/N.M	WEIGHT (KG)	PRODUCT CODE	NPS	A1	N-M
½" ~150LB	15	13	108	90	60.5	34.9	8.0	2	4-16	F04	23	2	BF2S15SARVRFFENI6D015	1/2	42	4-M5
¾"~150LB	20	19	117	100	69.9	42.9	8.9	2	4-16	F04	25	2.5	BF2S15SARVRFFENI6D020	3/4	42	4-M5
1"-150LB	25	25	127	110	79.4	50.8	9.6	2	4-16	F05	28	3.5	BF2S15SARVRFFENI6D025	1	50	4-M6
1½ -150LB	40	38	165	125	98.4	73	12.7	2	4-19	F05	45	7.5	BF2S15SARVRFFENI6D040	1½	50	4-M6
2"-150LB	50	49	178	150	120.7	92.1	14.3	2	4-19	F07	50	9	BF2S15SARVRFFENI6D050	2	70	4-M8
3"-150LB	80	74	203	190	152.4	127	17.5	2	4-19	F07	115	19	BF2S15SARVRFFENI6D080	3	70	4-M8
4"-150LB	100	100	229	230	190.5	157.2	22.3	2	8-19	F07	165	36	BF2S15SARVRFFENI6D100	4	70	4-M8
6"-150LB	150	152	394	280	241.5	216	24	2	8-22	F10	380	78	BF2S15SARVRFFENI6D150	6	102	4-M10
8"-150LB	200	203	457	345	298.5	270	27	2	8-22	F12	650	160	BF2S15SARVRFFENI6D200	8	125	4-M14

DESCRIPTION

15MM TO 200MM CLASS 150 BALL VALVE, ASTM A351 CF8M BODY, FULL PORT, F316 BALL, 17-4 PH STEM, RPTFE SEATS, VITON AED O-RINGS (BODY & STEM), FE PACKING, ISO 5211 MOUNTING PAD, SS LOCKABLE LEVER OPERATED, ASME B16.34 DESIGN, API 598 + API 6D DURATION TEST.

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DWG No	BF2S15SARVRFFENI6D015-200	**CHECKED**		**DATE:** 16-07-2025
REV.	00	**APPROVED**		**DATE:** 22-07-2025