



Anti Static  
I



Fire Safe Design  
II

**BILL OF MATERIALS**

NO.	PARTS NAME	MATERIAL	REMARKS
1	BODY	ASTM A105N	
2	BALL	A182 F316	
3	GASKET	SS316+Graphite	
4	BOLT	A193 B7M+Zn	
5	NUT	A194 2HM+Zn	
6	BONNET	ASTM A105N	
7	GASKET	PTFE	
8	STEM	17-4PH	
9	PACKING	Graphite	
10	PACKING GLAND	A216 WCB	
11	SCREW	A193 B7M+Zn	
12	LIMITING BLOCK	1025+Zn	
13	SEAT	RPTFE	
14	O-RING	VITON AED	
15	HANDLE	A216 WCB	

**PERFORMANCE STANDARDS**

NOMINAL CL (PN)	600LB		STANDARD
SHELL TEST PRESSURE	15.0 MPa	2176 Psi	API 598 with API 6D (Test duration)
SEAL TEST PRESSURE	11.0 MPa	1596 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 600	VALVE TYPE	Floating Ball
DESIGN	API 6D	TEST & INSPECTION	API 6D
FACE TO FACE DIMENSION	B16.10	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		

**PAINTING SPEC**

Surface Preparation: Sa 2.5  
**1<sup>st</sup> COAT (Primer):** Interzinc 52 @ 50µm  
**2<sup>nd</sup> COAT (Intermediate):** Intergard 475HS MIO @ 100µm  
**3<sup>rd</sup> COAT (Build Coat):** Intergard 475HS MIO @ 100µm  
**TOP COAT (Finish):** Interthane (Matt Finish)  
**Total DFT:** 300µm (Minimum)  
**Final Color:** RAL 9003 White (Matt Finish)

**DESCRIPTION**  
 40MM CLASS 600 FULL PORT BALL VALVE WITH ASTM A105N FORGED STEEL BODY, 316 SS BALL, 17-4 PH STEM, RPTFE SEATS, VITON O-RING SEALS, AND FE PACKING. FEATURES ISO 5211 MOUNTING PAD, LOCKABLE LEVER, FIRE-SAFE DESIGN PER API 607, FACE-TO-FACE AS PER ANSI B16.10, RF FLANGES PER ANSI B16.5, LOW EMISSION TESTED TO ISO 15848-2 CLASS B.

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
1½ - 600LB	40	38	241	155	114.3	73	22.3	7	4-22	FO5	105	15	BF2F60SARVRFENI6D040	1½	50	4-M6



DWG No	BF2F60SARVRFENI6D040	CHECKED		DATE: 16-07-2025
REV.	00	APPROVED		DATE: 22-07-2025