


**BILL OF MATERIALS**

NO.	PARTS NAME	MATERIAL	REMARKS
1	BODY	A216 WCB	
2	BALL	A182 F316	
3	GASKET	SS316+Graphite	
4	BOLT	A193 B7M+Zn	
5	NUT	A194 2HM+Zn	
6	BONNET	A216 WCB	
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	
16	ANTI STATIC SPRING	Stainless Steel (SS)	

**PERFORMANCE STANDARDS**

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

**DESIGN STANDARDS**

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

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

<b>DESCRIPTION</b>			
15MM TO 200MM CLASS 150 BALL VALVE, A216 WCB BODY, FULL PORT, ISO 5211 MOUNTING PAD, 316 SS BALL, 17-4 PH STEM, RPTFE SEATS, VITON O-RING SEALS (BODY & STEM), FE PACKING, LEVER LOCKABLE, DESIGN AS PER ISO 17292, API 607 FIRESAFE, ANSI B16.10 F-F, ANSI B16.5 RF ENDS, ISO 15848-2 CLASS B LOW EMISSION, API 598 + API 6D DURATION TEST			

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
1/2"~150LB	15	13	108	90	60.5	34.9	8.0	2	4-16	F04	23	2	BF2C15SARVRFENI6D015	1/2	42	4-M5
3/4"~150LB	20	19	117	100	69.9	42.9	8.9	2	4-16	F04	25	2.5	BF2C15SARVRFENI6D020	3/4	42	4-M5
1"~150LB	25	25	127	110	79.4	50.8	9.6	2	4~Ø16	F04	28	4	BF2C15SARVRFENI6D025	1	42	4-M5
2"~150LB	50	49	178	150	120.7	92.1	14.3	2	4~Ø19	F07	50	8.8	BF2C15SARVRFENI6D050	2	70	4-M8
3"~150LB	80	74	203	190	152.4	127	17.5	2	4~Ø19	F07	115	19	BF2C15SARVRFENI6D080	3	70	4-M8
4"~150LB	100	100	229	230	190.5	157.2	22.3	2	8~Ø19	F07	165	33	BF2C15SARVRFENI6D100	4	70	4-M8
6"~150LB	150	150	394	280	241.3	215.9	23.9	2	8~Ø22	F10	380	75	BF2C15SARVRFENI6D150	6	102	4-M10
8"~150LB	200	201	457	345	298.5	269.9	27	2	8~Ø22	F12	650	130	BF2C15SARVRFENI6D200	8	125	4-M14