TECHNICAL SPECIFICATIONS	
SS 316L BALL VALVES	
Stair	nless Steel 3 Piece Ball Valves must conform to the technical
spec	ifications mentioned below.
General Requirements:	
i.	Type: 3 Piece, Full Port
ii.	Ends: Butt Welding Ends, Sch. 40
iii.	Operating Temperature: 150°C
iv.	Operating Pressure: 10 bar
۷.	Rating: 150 lb., according to ASME B16.34 – 2004, Table 2-2.3
vi.	Valve Dimensions according to ASME B16.34 – 2004, Section 6
vii.	End to End Dimensions according to ASME B16.10 – 1992, Table 1
	erials of Construction:
i.	Body, Ball, Bonnet, Stem, Nuts, Bolts, Washer & Handle: F316L
	according to ASTM A182 / A182M-04
ii.	Seat and Stem Packing: 15% R-PTFE
Chemical Composition:	
i.	Carbon: 0.03%
ii.	Manganese: 2.00%
iii.	Phosphorous: 0.045%
iv.	Sulfur: 0.03%
۷.	
vi.	
vii.	
	Molybdenum: 2.0-3.0%
Required Material Tests:	
i.	Corrosion Testing: Practice C: ASTM A262-02a
ii. Dree	Pressure Testing: Section 7: ASME B16.34 – 2004
Product Marking: each valve shall be marked with the Section 20 of	
<u>AST</u> i.	MA961 – 04 as: ASTM Specification Number, Crade and Bating, Identification Number,
1.	ASTM Specification Number, Grade and Rating, Identification Number, Rating and Heat Number
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ii. Eini	Name/Mark of Manufacturer
<u>Finis</u> i.	sh and Appearance:
1.	The finished parts shall conform to the dimensions and finish as
	specified on the order.
ii.	Surface Finishing: the product shall conform to the requirements of ASTM A961 – 04.
MIII	
Mill Test Certificate:	
Product certification must be compliant with Section 19 of ASTM A961-04 and Section 16 of ASTM A182/A182M-04. All test reports, as mentioned	
and Section to or ASTM ATOZ/ATOZM-04. All lest reports, as mentioned	

above shall be furnished to the purchaser.