



## Novel Std. Inspection- Testing Plan

**NOVEL VALVES INDIA PVT. LTD., AIROLI, NAVI MUMBAI.**

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CLIENT :-

P.O.No.:-

Date :-

REV. NO. 00

ITEM :

INSPECTION By :- TPI

Activity No.	CHARACTERISTICS	TYPE OF CHECK	QUANTUM OF CHECK	REF.DOC.	ACCEPTANCE STANDARD	RECORD	NOVEL SUPPLIER	NOVEL	TPI
<b>1. MATERIAL INSPECTION</b>									
1.1	<u>RAW MATERIAL</u> Body, Bonnet / Cover	CHEMICAL , TENSILE	100%	AS PER RELEVANT ASTM STD/ DATA SHEET	AS PER RELEVANT ASTM STD	FOUNDRY T.C./ REPORTS ( EN 10204 - 3.1)	H	R	R
1.2	INTERGRANULAR CORROSION TEST FOR AUSTENITIC STAINLESS STEEL VALVE-(Body & Bonnet / Cover)	MICROSTRUCTURE/ CORROSION RATE	1 per heat	AS PER RELEVANT ASTM STD / SPEC.	AS PER RELEVANT ASTM STD	MFG. T.C. / LAB.REPORTS	H	R	R
		IGC Pract. B for Castings & IGC Pract. E for Forgings							
1.3	BAR FOR TRIM ( Spindle )	CHEMICAL TESTING	1 Sample/ Heat/Lot	AS PER RELEVANT ASTM STD/ DATA SHEET	AS PER RELEVANT ASTM STD	LAB. T.C. / REPORTS	H	H	R
1.4	GASKET	CHEMICAL TESTING	100%	AS PER RELEVANT ASTM STD/ DATA SHEET	AS PER RELEVANT ASTM STD	MFG. T.C. / REPORTS	H	R	R
1.5	FASTNERS.	CHEMICAL ,TENSILE & HARDNESS,HEAT TREATMENT TESTING	100%	AS PER RELEVANT ASTM STD/ DATA SHEET	AS PER RELEVANT ASTM STD	MFG. T.C. ( EN 10204 - 3.1)	H	R	R
<b>2. INPROCESS INSPECTION</b>									
2.1	<u>Castings / Forgings</u> ( Body & Bonnet / Cover )	Measure of Dimension	Random	NOVEL DRG. / DATA SHEET	NOVEL DRG. / DATA SHEET	ACCEPTANCE REPORT	NA	H	--
		Visual check of Surface Quality of Machining	Random	--	--	--	NA	H	--
2.2	Trim	Surface Quality for Hard Facing of Hardness/LPT		AS PER RELEVANT STD	AS PER RELEVANT STD	Report	NA	H	--
<b>3. FINAL INSPECTION</b>									
3.1	VISUAL	SURFACE CHECK	100%	APPROVED DRAWING	APPROVED DRAWING	INSPECTION REPORT	NA	100%H	10%W
3.2	SMOOTH OPERATION	PERFORMANCE	100%	APPROVED DRAWING	APPROVED DRAWING	--	NA	100%H	10%W
3.3	DIMENSIONAL	DIMENSION CHECK	100%	APPROVED DRAWING	APPROVED DRAWING	INSPECTION REPORT	NA	100%H	10%W
3.4	HYDROSTATIC SHELL TESTING	HYDRO TESTING	100%	API 598 / BS 6755(P-I)/ APPROVED DRG / DATA SHEET	API 598 / BS 6755(P-I)/ APPROVED DRG / DATA SHEET	INSPECTION REPORT	NA	100% H	10%W
3.5	HYDROSTATIC SEAT TESTING	HYDRO TESTING				INSPECTION REPORT	NA	100% H	10%W
3.6	HYDROSTATIC BACKSEAT TESTING (NA FOR CHECK VALVE)	HYDRO TESTING				INSPECTION REPORT	NA	100% H	10%W
3.7	PNEUMATIC SEAT TESTING ( NA FOR CHECK VALVE)	PNEUMATIC TESTING				INSPECTION REPORT	NA	100% H	10%W
Q.C.DEPT									



# INSPECTION TEST PLAN

**NOVEL VALVES INDIA PVT. LTD. , AIROLI, NAVI MUMBAI.**

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CLIENT :-

ITP NO.: NOVEL/ D000/19/000

P.O.No.:

Date :-

REV. NO. 00

ITEM : DUAL PLATE CHECK VALVE

INSPECTION By :- TPI

Activity No.	CHARACTERISTICS	TYPE OF CHECK	QUANTUM OF CHECK	REF.DOC.	ACCEPTANCE STANDARD	RECORD	NOVEL SUPPLIER	NOVEL	TPI
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#### 4. FINAL STAMPING

4.1	HARD STAMP - SL. NO. /TAG No. & TPI STAMP / HEAT No.	VISUAL	100%	--	--	MANUF'RE T.C / INSPECTION REPORT	NA	H	H
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#### 5. DOCUMENTATION & IC

5.1	DOCUMENTATION & INSPECTION CERTIFICATE (IC)	REVIEW OF STAGE INSPECTION REPORTS / TEST REPORTS & ISSUE OF IC	100%	AS PER SPEC. / APP. DRAWING / PO REQUIREMENTS / ITP	AS PER SPEC / APP. DRAWING / P.O REQUIREMENTS / ITP	ALL TEST CERTIFICATES / REPORTS / IC	NA	100%H	100%H
5.2	IRN	ISSUE OF IRN	100%	AS PER SPEC. / APP. DRAWING / PO REQUIREMENTS / ITP	AS PER SPEC / APP. DRAWING / P.O REQUIREMENTS / ITP	IRN	NA	H	H

NOTES

1. ALL MEASURING INSTRUMENTS SHALL BE CALIBRATED & REPORT SHALL BE SUBMITTED.
2. DOUBLE STAMPED ON WITNESS VALVES & SINGLE STAMP ON NON-WITNESS VALVES BY TPI NEAR VALVE SR. NO. FOR IDENTIFICATION PURPOSE.
3. \* ALL Carbon Steel & Alloy Steel valves will be painted.

LEGENDS

TPI – THIRD PARTY INSPECTION.

H = HOLD, R = REVIEW, W = WITNESS, NA = NOT APPLICABLE, P.O. : PURCHASE ORDER, RW=RANDOM WITNESS

TECH. :- TECHNICAL , SPEC:-SPECIFICATION, GTV = GATE VALVE, GBV = GLOBE VALVE , NDL = NEEDLE VALVE, CHECK = LIFT & SWING CHECK VALVE

Q. C.DEPT.