

**Customer: 8780 - PRINCETON PLASMA PHYSICS LAB**  
**Customer P.O.: S-04344-F**  
**Customer Part ID: SE121 - NSCX Vacuum Vessel Prototype**

Item#	Document Description / Material Description / File Name / Heat Lot
1	CERTIFICATE OF CONFORMANCE

**F1000000NC4 - FLANGE, CONFLAT, NON-ROTATE, 10.00"**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
2	20	10	10	Material Certification: / F1000000NC4 - FLANGE, CONFLAT, NON-ROTATE, 10.00" - mc094399.pdf / OV104&0V105

**FB1000C12S - BOLT AND NUT KIT, 12 PT, SILVER PLATED**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
3	20	10	40	Certificate of Conformance: / FB1000C12S - BOLT AND NUT KIT, 12 PT, SILVER PLATED - MC094404.PDF / C OF C

**FG1000CI - GASKET KIT (10/PK), COPPER, FOR 10" CFF**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
4	20	10	20	Certificate of Conformance: / FG1000CI - GASKET KIT (10/PK), COPPER, FOR 10" CFF - Same as Item #3 / C OF C

**FG1000VU - GASKET, VITON, FOR 10" CFF**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
5	20	10	30	Certificate of Conformance: / FG1000VU - GASKET, VITON, FOR 10" CFF - Same as Item #3 / C OF C

**GC0275S - GASKET CLIP KIT (10/PK), FOR 10" CFF**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
6	20	10	50	Certificate of Conformance: / GC0275S - GASKET CLIP KIT (10/PK), FOR 10" CFF - Same as Item #3 / C OF C

**NAMEPLATE**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
7	31	10	10	Material Certification: TRACE ID: 92220 / INCONEL 625_660 - SHEET,NICKEL ALLOY .125" THK - MC093762.TIF / 2650 3 6874

**SE121-001P - PVVS PRIMARY WELDMENT**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
8	0	10	10	Material Certification: TRACE ID: 38561 / INCONEL625_062_GTAW - WELD WIRE/GTAW, .062 DIA - MC074409.TIF / 2653-8-4201
9	0	10	30	Material Certification: / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC075552.TIF / CT7519
10	0	10	30	Material Certification: TRACE ID: 41171 / INCONEL625_093_GTAW - WELD WIRE/GTAW, .093 DIA - MC075605.TIF / CT7519
11	0	10	40	Material Certification: / INCONEL625_035_GMAW - WELD WIRE/GMAW, .035 DIA -
12	1	20		Map(s): SE121-001P-1MTM -
13	1	30		Test Certification: CWI CERTIFICATE -
14	1	40		Map(s): SE121-001P-1MTM -
15	1	70		Test Certification: CWI CERTIFICATE -
16	1	71		Furnace charts: FURNACE CHART -
17	1	73		Test Certification: VACUUM TEST CERTIFICATE -

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18	1	75	Map(s): RADIOGRAPHIC INSPECTION MAP -
19	1	75	Test Certification: RADIOGRAPHIC CERTIFICATE -
20	1	80	Map(s): SE121-001P-1MTM -
21	1	10	Inspection Data Checklist: 15 steps
22	1	20	Inspection Data Checklist: 2 steps
23	1	30	Inspection Data Checklist: 5 steps
24	1	40	Inspection Data Checklist: 2 steps
25	1	70	Inspection Data Checklist: 5 steps
26	1	80	Inspection Data Checklist: 2 steps

**SE121-001P-2 PANEL 1 - DIE FORMED PANEL**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
27	14	10	10	Material Certification: / SE121-001P-2 PANEL # 1 - PANEL BLANK .375" THK INCONEL 625 - MC094098.TIF / 2650 3 6877
28	14	30		Certification: H/T CERTIFICATE - mc094645.pdf
29	14	30		Furnace charts: FURNACE CHART - Same as Item #28
30	14	70		Test Certification: SE121-001P-10MTM -
31	14	10		Inspection Data Checklist: 3 steps
32	14	35		Inspection Data Checklist: 1 steps
33	14	70		Inspection Data Checklist: 3 steps

**SE121-001P-2 PANEL 2 - DIE FORMED PANEL**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
34	15	10	10	Material Certification: / SE121-001P-2 PANEL # 2 - PANEL BLANK .375" THK INCONEL 625 - mc094096.tif / 2650 3 6877
35	15	30		Furnace charts: FURNACE CHART - mc095044.pdf
36	15	30		Certification: H/T CERTIFICATE - Same as Item #35
37	15	70		Test Certification: SE121-001P-10MTM -
38	15	10		Inspection Data Checklist: 3 steps
39	15	35		Inspection Data Checklist: 1 steps
40	15	70		Inspection Data Checklist: 3 steps

**SE121-001P-2 PANEL 3 - DIE FORMED PANEL**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
41	16	10	10	Material Certification: / SE121-001P-2 PANEL # 3 - PANEL BLANK .375" THK INCONEL 625 - mc094091.tif / 2650 3 6877
42	16	30		Furnace charts: FURNACE CHART - mc094739.pdf
43	16	30		Certification: H/T CERTIFICATE - Same as Item #42
44	16	70		Test Certification: SE121-001P-10MTM -
45	16	10		Inspection Data Checklist: 3 steps
46	16	35		Inspection Data Checklist: 1 steps
47	16	70		Inspection Data Checklist: 3 steps

**SE121-001P-2 PANEL 4 - DIE FORMED PANEL**

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48	17	10	10	Material Certification: / SE121-001P-2 PANEL # 4 - PANEL BLANK .375" THK INCONEL 625 - mc094093.tif / 2650 3 6876
49	17	30		Furnace charts: FURNACE CHART - mc094878.pdf
50	17	30		Certification: H/T CERTIFICATE - Same as Item #49
51	17	70		Test Certification: SE121-001P-10MTM -
52	17	10		Inspection Data Checklist: 3 steps
53	17	35		Inspection Data Checklist: 1 steps
54	17	70		Inspection Data Checklist: 3 steps

**SE121-001P-2 PANEL 5 - DIE FORMED PANEL**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
55	18	10	10	Material Certification: / SE121-001P-2 PANEL # 5 - PANEL BLANK .375" THK INCONEL 625 - mc094089.tif / 2650 2 6877
56	18	30		Furnace charts: FURNACE CHART -
57	18	30		Certification: H/T CERTIFICATE -
58	18	70		Test Certification: SE121-001P-10MTM -
59	18	10		Inspection Data Checklist: 3 steps
60	18	35		Inspection Data Checklist: 1 steps
61	18	70		Inspection Data Checklist: 3 steps

**SE121-001P-3 - PORT EXTENSION TUBE**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
62	29	20	10	Material Certification: / INCONEL 625_660 - SHEET,NICKEL ALLOY .125" THK - mc093762.tif / 2650 3 6874
63	29	50		Test Certification: CWI CERTIFICATE -
64	29	10		Inspection Data Checklist: 1 steps
65	29	30		Inspection Data Checklist: 1 steps
66	29	50		Inspection Data Checklist: 5 steps
67	29	70		Inspection Data Checklist: 2 steps

**SE121-003P - NCSX PVVS COMPLETE Qty: 1**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
68	0	20		Test Certification: CLEANLINESS CERTIFICATION -
69	1	90		Test Certification: VISUAL INSPECTION CERT -
70	1	100		Map(s): SE121-001P-1MTM -
71	1	120		Certification: INT. SURF. FINISH CERT. -
72	1	120		Map(s): SE121-001P-1MTM -
73	1	120		Certification: MAG. PERM. CERTIFICATION -
74	1	120		Certification: PROFILE CERTIFICATION -
75	1	90		Inspection Data Checklist: 5 steps
76	1	100		Inspection Data Checklist: 3 steps
77	1	115		Inspection Data Checklist: 5 steps
78	1	120		Inspection Data Checklist: 5 steps



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**SE121-003P-4 - WELD BACKING RING**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
79	25	10	10	Material Certification: / INCONEL 625_660 - SHEET,NICKEL ALLOY .125" THK - Same as Item #62 / 2650 3 6874
80	25	20		Certification: CWI CERTIFICATE -
81	25	20		Inspection Data Checklist: 5 steps
82	25	40		Inspection Data Checklist: 2 steps

**SE212-003P-3 - PORT EXTENSION**

Item#	Sub	Op	Pc	Document Description / Material Description / File Name / Heat Lot
83	19	10		Inspection Data Checklist: 5 steps
84	19	20		Inspection Data Checklist: 2 steps