

Status of parts on SE123-049

as of: 20-Dec-05 version

Vacuum Vessel Heating and Cooling Assembly Drawing

Parts list from drawing:

**RELEASED FOR
FABRICATION / INSTALLATION**
 PPPL Drafting: Jerry Siegel
2005.12.15
14:54:02
-05'00"

QTY for one field period	QTY for three field periods	10% spares if applicable	10%	min qty to order	Part no.	Description	release level of drawing	test qty	all
16	48	5	53	NCSX-PRL-12-004-00	Heat tape 0.5" wide x 0.125" thick x 72" long	Brisk Heat TBD	N/A	4	
128	384	58	442	5FF-5-4	Brazetyte reducer union	Truly tubular fittings corporation Mount Vernon, NY 10550 914-664-8686	N/A		
128	384	58	442	5182K719	316 SS YOR-LOK Compression Tube Fitting Coupling for 5/16" Tube OD	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A	4	
460	1380	207	1587	90545A030	HEX NUT 5/16-18 UNC ASME B18.2.2 Titanium	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
20	60	9	69	93190A578	Hex Head screw 5/16-18 UNC x .5 long	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
460	1380	207	1587	90545A030	HEX NUT 5/16-18 UNC ASME B18.2.2 Titanium	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
20	60	9	69	93190A578	Hex Head screw 5/16-18 UNC x .5 long	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
128	384	58	442	91950A027	Flat washer .50 OD x .219 ID x 0.036 thk 316 stainless steel	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
28	84	13	97	91950A030	Flat washer .688 OD x .344 ID x 0.064 thk 316 stainless steel	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
128	384	58	442	91950A030	Slotted pan head screw #10-24UNC x .38 long	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
120	360	54	414	94819A046	hex nut 5/16-18 UNC - ASME B18.2.2 316 sst	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		x
485	1455	218	1673	-37	5/16 - 18 UNC x .75 long CD inconel weld stud	McMaster-Carr Atlanta, GA 30336-2852 (404) 346-7000	N/A		
128	384	58	442	SE123-172-3	Tube Mount Stop	Fabrication			
2	6	0	6	SE123-171	support brkt B weldment	Fabrication			x
2	6	0	6	SE123-170	support brkt A weldment	Fabrication			x
64	192	29	221	SE123-169-2	VV heating/cooling supply line detail	Fabrication			
64	192	29	221	SE123-169-1	VV heating/cooling supply line detail	Fabrication			
8	24	4	28	SE123-168-6	U-Bracket long stop	Fabrication			x
8	24	4	28	SE123-168-5	U-Bracket long	Fabrication			x
8	24	4	28	SE123-168-4	U-bracket	Fabrication			x
8	24	4	28	SE123-168-1	header bracket standoff weldment	Fabrication			x
4	12	2	14	SE123-167	Mount flange	Fabrication			x
2	6	0	6	SE123-164	Cryostat interface flange	Fabrication			x
2	6	0	6	SE123-163	outer header B	Fabrication			x
2	6	0	6	SE123-162	outer header A	Fabrication			x
2	6	0	6	SE123-161	inner header B	Fabrication			x
2	6	0	6	SE123-160	inner header A	Fabrication			x
29	87	13	100	SE123-155	Thermocouple mounting plate	WIP		6	
460	1380	207	1587	SE123-056	Tube retaining washer	WIP			
460	1380	207	1587	SE123-054	Strap	WIP			
460	1380	207	1587	SE123-053	Conductor gasket	WIP			
460	1380	207	1587	SE123-052	Conductor gasket	WIP			
4	12	2	14	SE123-145-14	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-13	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-12	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-11	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-10	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-9	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-8	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-7	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-6	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-5	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-4	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-3	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-2	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE123-145-1	Heating/Cooling tube Weldment	WIP			
4	12	2	14	SE120-002	VACUUM VESSEL PERIOD ASSY	WIP			

6	16	NCSX-PRL-12-004-00	HEAT TAPE .50" WIDE X .125" THK X 120" LONG	46
7	128	5FF-5-4	BRAZETYTE REDUCER UNION 5/16 TO 1/4 TUBE	45
8	128	5182K719	316 SS YOR-LOK COMPRESSION TUBE FITTING COUPLING FOR 5/16" TUBE OD	44
7	460	90545A030	HEX NUT 5/16-18 UNC - ASME B18.2.2 TITANIUM	43
6	20	93190A578	HEX HEAD SCREW 5/16-18 UNC X .50 LG 316 SST	42
7	128	91950A027	FLAT WASHER .50 OD X .219 ID X .036 THK 316 STAINLESS STL	41
7 8	28	91950A030	FLAT WASHER .688 OD X .344 ID X .064 THK 316 STAINLESS STL	40
7	128	92446A240	SLOTTED PAN HEAD SCREW #10-24UNC X .38 LG BRASS	39
7 8	120	94819A046	HEX NUT 5/16-18 UNC - ASME B18.2.2 316 SST	38
7 8	485	NCSX-PRL-12-002-00	5/16-18UNC X .75 LG CD INCONEL WELD STUD	37
7	128	SE123-172-3	TUBE MOUNT STRAP	36
7	2	SE123-171	SUPPORT BRKT B WELDMENT	35
7	2	SE123-170	SUPPORT BRKT A WELDMENT	34
6	64	SE123-169-2	VV HEATING/COOLING SUPPLY LINE DETAIL	33
6	64	SE123-169-1	VV HEATING/COOLING SUPPLY LINE DETAIL	32
8	8	SE123-168-6	U-BRACKET LONG STOP	31
8	8	SE123-168-5	U-BRACKET LONG	30
8	8	SE123-168-4	U-BRACKET	29
8	8	SE123-168-1	HEADER BRACKET STANDOFF WELDMENT	28
6	4	SE123-167	MOUNT FLANGE	27
6	2	SE123-164	CRYOSTAT INTERFACE FLG WELDMENT	26
6	2	SE123-163	OUTER HEADER B	25
8	2	SE123-162	OUTER HEADER A	24
8	2	SE123-161	INNER HEADER B	23
8	2	SE123-160	INNER HEADER A	22
6	29	SE123-155	THERMOCOUPLE MOUNTING PLATE	21
6	460	SE123-056	TUBE RETAINER WASHER	20
6	460	SE123-054	STRAP	19
6	460	SE123-053	CONDUCTOR	18
6	460	SE123-052	CONDUCTOR GASKET	17
7	4	SE123-145-14	HEATING/COOLING TUBE WELDMENT	16
7	4	SE123-145-13	HEATING/COOLING TUBE WELDMENT	15
7	4	SE123-145-12	HEATING/COOLING TUBE WELDMENT	14
7	4	SE123-145-11	HEATING/COOLING TUBE WELDMENT	13
7	4	SE123-145-10	HEATING/COOLING TUBE WELDMENT	12
7	4	SE123-145-9	HEATING/COOLING TUBE WELDMENT	11
7	4	SE123-145-8	HEATING/COOLING TUBE WELDMENT	10
7	4	SE123-145-7	HEATING/COOLING TUBE WELDMENT	9
7	4	SE123-145-6	HEATING/COOLING TUBE WELDMENT	8
7	4	SE123-145-5	HEATING/COOLING TUBE WELDMENT	7
7	4	SE123-145-4	HEATING/COOLING TUBE WELDMENT	6
7	4	SE123-145-3	HEATING/COOLING TUBE WELDMENT	5
7	4	SE123-145-2	HEATING/COOLING TUBE WELDMENT	4
7	4	SE123-145-1	HEATING/COOLING TUBE WELDMENT	3
6	4	SE120-002	VACUUM VESSEL PERIOD ASSY	2

61		SE123-002	VACUUM VESSEL PERIOD ASST			2
		-1	HEATING COOLING ASM			1
next assy	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
	←	NEXT ASSEMBLY	PARTS LIST			

PART NO.	A	# TUBES BLW, FOR 1/2 PERIOD
SE123-145-1	123	1
SE123-145-2	118	1
SE123-145-3	116.5	1
SE123-145-4	131	1
SE123-145-5	128	2
SE123-145-6	132	1
SE123-145-7	150	1
SE123-145-8	166	1
SE123-145-9	167.5	1
SE123-145-10	183	2
SE123-145-11	146.5	1
SE123-145-12	135.5	1
SE123-145-13	124	1
SE123-145-14	119	1

4	12	2	14	SE123-145-11	Heating/Cooling tube Weldment	WIP
8	24	4	28	SE123-145-10	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-9	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-8	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-7	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-6	Heating/Cooling tube Weldment	WIP
8	24	4	28	SE123-145-5	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-4	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-3	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-2	Heating/Cooling tube Weldment	WIP
4	12	2	14	SE123-145-1	Heating/Cooling tube Weldment	WIP