



ITEM	DESCRIPTION - HELIX TL INSERT	SIZE
A	SAMPLE ACCESS PORT / RELIEF VALVE	NW50
B	1K POT PUMPING LINE / RELIEF VALVE	NW25
C	LIFTING POINTS ON INSERT	M8
D	SAMPLE SPACE GATE VALVE	NW50
E	He INLET RELIEF VALVE	NW16
F	1K POT NEEDLE VALVE	-
G	IVC PUMPING LINE / RELIEF VALVE	NW16
H	2x10 WAY ELECTRICAL ACCESS TO IVC	FISCHER
J	SAMPLE SPACE RELIEF VALVE	-
DESCRIPTION - LLD1		
A	SIPHON ENTRY	O9.6
B	3 - NITROGEN FILL/VENT PORTS	-
C	MAIN BATH EXHAUST	NW40
D	HELIUM RECOVERY MANIFOLD	-
E	HELIUM LEVEL PROBE ENTRY	O4.8
F	MAGNET CURRENT LEAD	COAXIAL
G	1 X 10 WAY - MAG DIAG & SWITCH (RED)	FISCHER
H	HELIUM BATH RELIEF VALVES - 2 OFF	NW40
J	OVC VACUUM VALVE	NW25
K	LIFTING EYE BOLTS - 2 OFF	M12
L	NITROGEN RELIEF VALVE	-
M	LPF MANUAL NEEDLE VALVE	-
N	LPF PUMPING PORT	NW25
O	LPF RELIEF VALVE	1/8" NPT
P	EARTHING POINT	M6
Q	HELIUM RECOVERY	NW16
DESCRIPTION - SAMPLE ROD		
A	10 WAY ELECTRICAL ACCESS	FISCHER
B	24 WAY ELECTRICAL ACCESS	FISCHER
C	SPARE PORT	NW16
D	SAMPLE SPACE PUMPING LINE & VALVE	NW16

VESSEL VOLUMES		LIQUID HELIUM LEVEL PROBE LENGTHS	LIQUID HELIUM COLD TRAP LENGTHS	MAGNET SPECIFICATION	HEIGHT REQUIREMENTS	DRAWING APPROVAL	
OUTER VACUUM CAN	213L	OVERALL N/A	OVERALL N/A	1st FIELD (4.2K)	10.0T @ 4.2k	PROJECT NUMBER	22140
HELIUM CAN (4He)	93L	ACTIVE N/A		2nd FIELD (2.2K)	12T @ 2.2K	CUSTOMER NAME	ZUDOV
USEFUL LIQUID HELIUM	62L		TRANSFER TUBE DELIVERY LEG LENGTH	COLD BORE	52.0mm	CUSTOMER SIGNATURE	
LIQUID NITROGEN JACKET	66L		OVERALL N/A	HOMOGENEITY	0.1% OVER A 10mm DSV	DATE	N/A
MIXTURE DUMP	30L			PERSISTANCE	1 PART IN 10,000/HOUR	APPROX WEIGHT OF SYSTEM EXCLUDING CRYOGENS = 200KG	
				CURRENT (AMPS)	<120 AMPS		

TOLERANCES UNLESS STATED FOR:		SURFACE FINISH	DESCRIPTION
MACHINING	ASSEMBLY	UNLESS STATED	SYSTEM G.A. 22140 - ZUDOV
X ± 0.10 / 0.25mm	LINEAR ± 0.1mm	UNLESS STATED	SCALE 1:1
X XX ± 0.1 / 0.2mm	ANGULAR ± 1°	UNLESS STATED	DATE 18-Nov-04
X XX ± 0.1 / 0.2mm	ANGLE ± 0.1°		DRAWN D/McHyre

Item	Part No	Description	Length	Qty	REMARKS
11	VOZ0106	O RING R04575 BS256		1	AKIT
10	A250114	N2 BLOW OFF VALVE		1	
9	DC Z0164D01	AUTO NEEDLE VALVE CAP		1	AKIT
8	FSG0040	DOWEL PIN CELLOR, 12.0-75 LG		1	AKIT
7	A100271	He 3 TL DIAM TAIL SET BUTTS		1	Z280014
6	A280257	INTEGRA PROBE ASSY		1	Z280014
5	A280255	INTEGRA He3 TL INSERT		1	Z280014
4	PRAS171	STD S101/252/13 MAGNET		1	
3	PROB34	LLD1 10/12 MOUNTING PLATE		1	
2	A270051	TOP HAT NO SS SEAL-NW16x100		1	
1	A60260	LLD1 LPF CRYOSTAT 175 OD TAIL		1	

DRAWING NUMBER	REV
A280256	01