

18-Apr-07	SUPERNANOCHAN DEVICES TO CONTROL								
SuperNanogan Devices - HV Side									
Quantity	Device	Output	Model	Power	Control Input V	Control Input I	Readback V	Readback I	On/Off
1	PS	+1kV/75mA	Glassman MK01P75	115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	2.5-10VDC/0-1.5VDC
1	PS	-1kV/75mA	Glassman MK01N75	115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	2.5-10VDC/0-1.5VDC
1	PS	60VDC/5A	Xantrex HDP 60-5	115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	2.5-25VDC/0-0.8VDC
1	PS (Not Yet Specified)	24VDC/2A	For RF Tuner Motor/SMC/Press.	115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	?
20	Solenoid for Valve Control	Air	SMC VZ 412	24VDC - 75mA					24VDC - 75mA
2	Flow Controller	0-0.5sccm	Omega FMA-2601A	24VDC/250mA	0-5VDC/RS232		0-5VDC/RS232		
3	Press. Gauge	0-30 PSI Abs.	Omega PX219	24VDC/15mA			0-10VDC		
1	Turbo Controller		Varian Turbo - V301 Navigator	115VAC/200W					
1	Dry Scroll Pump		Varian SH-110 - Roughing	115VAC/200W					Contactors
1	Convectron Gauge		Triumf Instrumentation						
1	Electrical Box	Contactors	Hubbell NEMA 1 N1C121206		12"x12"x6"				
1	Controls Box	D/A/Switch	To Be Specified	24VDC ?	12"x12"x6"				
1	Contactors	115VAC	For Dry Scroll Pump	24VDC					
SuperNanogan Devices - Ground Side									
2	Turbo Controller		Varian Turbo - V550	115VAC/600W					
1	Isolation Gate Valve	Air	Varian VGA063NE24DP	24VDC					24VDC
2	Vent Valve	Air		24VDC					24VDC
2	Backing Valve	Air		24VDC					24VDC
1	Roughing Pump Valve	Air		24VDC					24VDC
1	Ion Gauge Controller		Varian SenTorr	115VAC					
3	Convectron Gauge		Triumf Instrumentation	?			?		
1	Isolation Transformer	100kV-5kVA	Hipotronics I T100-5E-AC-AB	115VAC/5kW					Contactors
1	Dry Scroll Pump		Varian Triscroll PTS06001 - Roughing	115VAC/750W					Contactors
1	Electrical Box	Contactors	Hubbell NEMA 1 N1C121206		12"x12"x6"				
1	Controls Box	D/A/Switch	To Be Specified						
2	Contactors	115VAC	For Transformer and Roughing Pump	24VDC					
1	Cart Position Switch #1	Contact	Cart In Place/Cart Not In Place				24VDC		
SuperNanogan Devices - Ground Side - Not On Cart									
1	Cart Position Switch #2	Contact	Cart In Place/Cart Not In Place				24VDC		
1	Roughing Valve	Air	OLIS Roughing of Inter Valve Space				24VDC		
1	Isolation Gate Valve	Air	Varian VGA063NE24DP	24VDC					24VDC
1	Vent Valve	Air		24VDC					24VDC
1	Convectron Gauge		Triumf Instrumentation						
1	4 Segment Collimator								
1	Einzel Lens PS	30kV		115VAC					
1	Bias PS	30kV		115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	
3	Steering PS	1kV		115VAC	0-10VDC	0-10VDC	0-10VDC	0-10VDC	
1	RF Signal Generator		Agilent Technologies E8257D/67D	115VAC	RS232/LAN/GPIB				
1	RF Amplifier	400W RF	CPI VZM6993J4P0B0	220VAC 1ph UPS	RS422/IEEE/GPIB				