

Additional Units mounted on the Pump Skid:

6x AALBORG mass flow controllers controlled, powered and read by 2 AALBORG Control Modules located in onboard rack.

2x AALBORG mass flow meters.

2x Varian Navigator 1000 Turbo pump controllers located in onboard rack.

9x Edwards Pressure sensors powered and read by a 6 unit and a 3 unit Edwards Readout located in onboard rack.

2x LakeShore Cryotronics 8 Input Temperature Readouts located in onboard rack and reading 12 temperature sensors within the IBC.

1x Picowatt AC Resistance Bridge Temperature Readout located in onboard rack and reading 3 temperature sensors within the IBC.

2x Cryomagnetics LHe level sensor readouts, LM 500, located in onboard rack and reading two level sensors within IBC.

1x Cryomagnetics LN2 level sensor readout and Fill Controller.

1x Oxford Intelligent Gas Handler (IGH) with addition of an MKS 902-1113 absolute pressure piezo transducer and CV16 –EONVV-24DC as higher quality overpressure relief (Valve 9 Bypass) (power 24VDC brick).

1x Heater Control Box with 4x Omega Engineering PID Controllers, only 2x 110V heaters currently used

1x Magnet- Lead Voltage-Tap Readout with 12x Omega Engineering digital voltmeters.

1x PC with dual display, USB hubs and USB to RS232 and RS485 converters.

4x APC UPS