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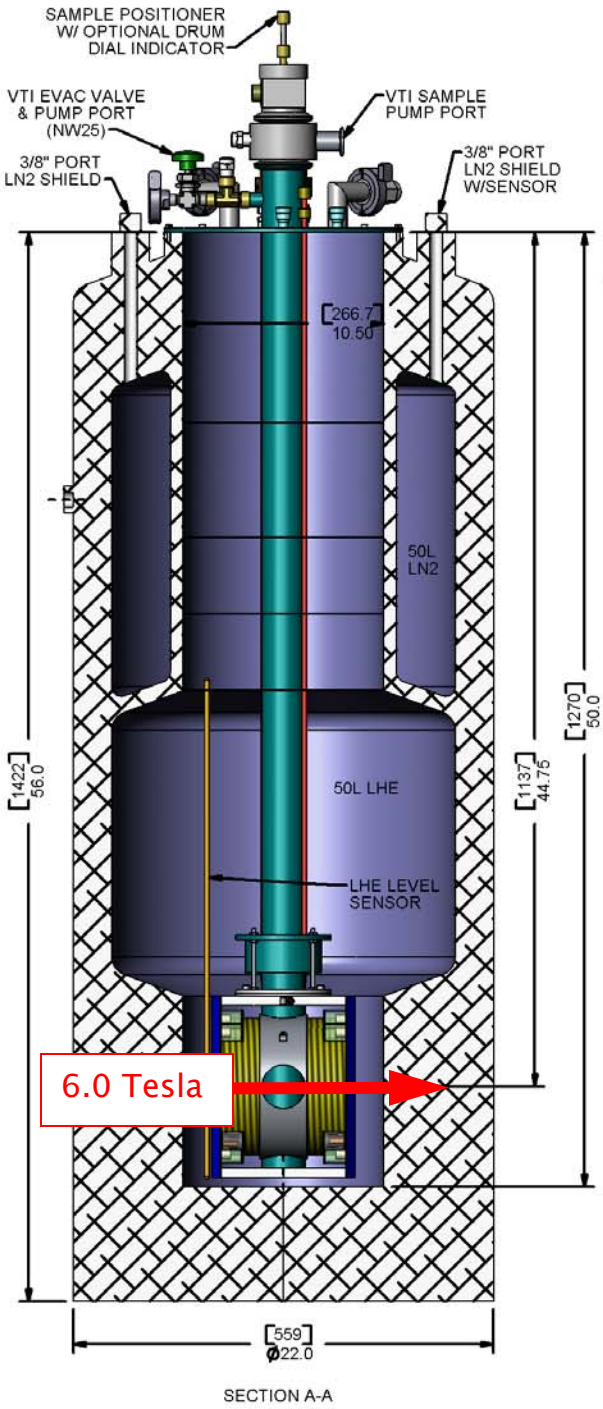
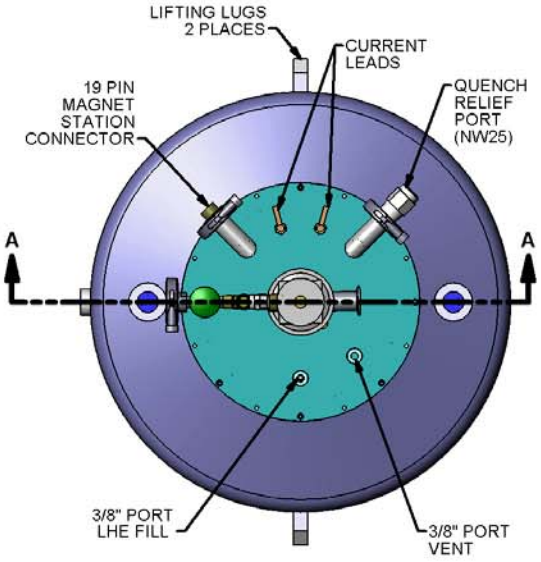
AMI Model SVTI-CH6022-2
Superconducting Horizontal Field Magnet System

- 6.0 Tesla horizontal field superconducting magnet
- Low-loss liquid helium cryostat with top loading sample insert with variable temperature from <2K to 300K
- 4-quadrant power supply and magnet controller for fast ramping capability
- Liquid helium level instrumentation
- Liquid nitrogen level/autofill instrumentation for LN2 shielded dewar
- Two channel temperature controller
- Liquid Helium transfer line with built-in level sensor on supply side
- Color coded, quick-disconnect power cables (e.g., no tools required)
- Pumping station for variable temperature insert (VTI)
- Complete liquid helium system test of magnet and VTI
- System software interface for magnet control (LabVIEW™)
- Integrated instrumentation console and associated cables
- Complete system manual

Please feel free to contact us or your AMI representative to discuss your requirements. Visit us on the web at www.americanmagnetics.com, sales@americanmagnetics.com or by phone at (865)482-1056.





Magnet System Specifications

- 6.0 Tesla horizontal field
- 57 mm diameter vertical access
- +/-0.5% homogeneity (10 mm DSV)
- Persistent-mode switch included
- Liquid helium capacity: 50 liters
- Liquid helium hold time: 215 hours (sample at 4K and zero current in leads)
- Liquid nitrogen shield capacity: 50 liters
- Liquid nitrogen hold time:
- Optional vapor-shielded dewar
- Dewar height: 1422 mm
- VTI sample tube O.D.: 35 mm
- VTI temperature range: <2K to 300K
- Required ceiling height: 3 m
- Dry weight: 180 kg/400 lbs
- Configurable for use with your existing He-3 or dilution refrigerator insert

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