



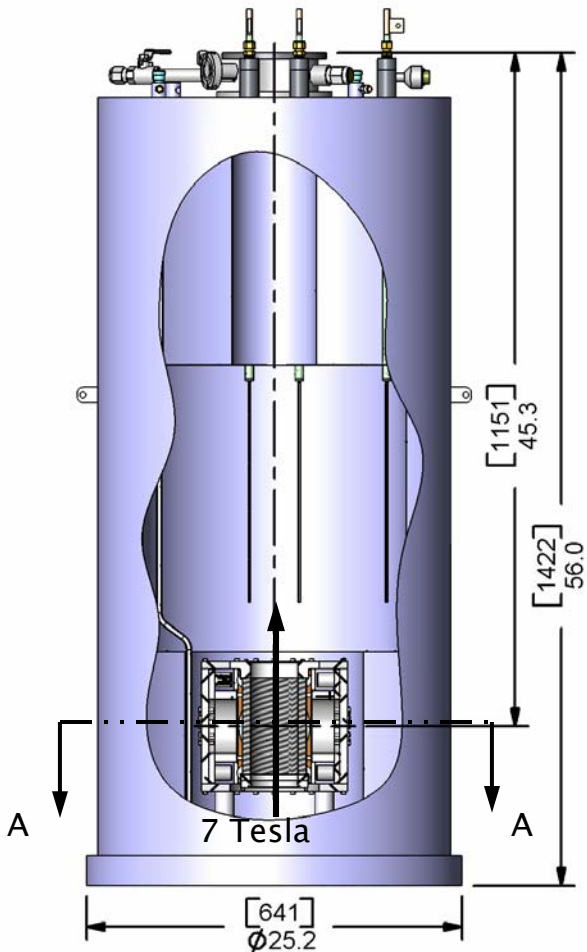
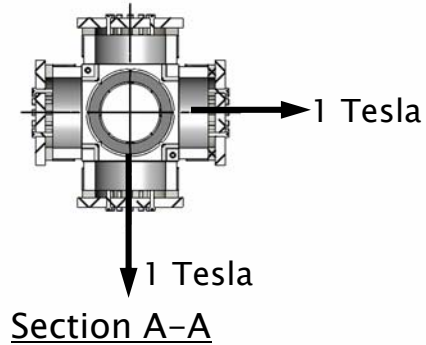
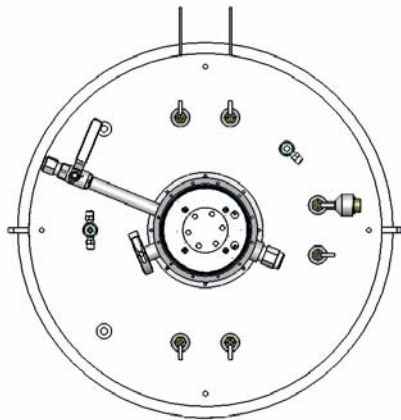
MAXes™ Model MX-117-30 Superconducting Vector Magnet System

MAXes™ Systems include the following features:

- 3-axis magnetic field vector magnet with vertical access
- Low-loss liquid helium cryostat with top loading sample insert with variable temperature from <2K to 300K
- 1.5 Tesla vector field in any direction with 9.0 Tesla field in vertical axis
- 4-quadrant power supplies and magnet controllers 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

- 7.0 Tesla vertical field
- 1.0 Tesla vector field in any direction
- 76 mm diameter magnet clear bore
- Persistent switches on all magnets
- Liquid helium capacity: 75 liters
- Liquid helium hold time: 200 hours (sample at 4K and zero current in leads)
- Vapor or liquid nitrogen shielded dewar
- 143 mm dewar neck I.D.
- Dewar height: 1422 mm
- VTI sample tube O.D.: 63.5 mm
- VTI temperature range: <2K to 300K
- Required lifting height: 3 m
- Dry weight: 225 kg/500 lbs
- Configurable for use with your existing He-3 or dilution refrigerator insert