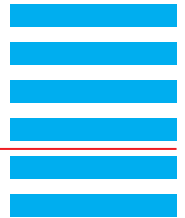


SD-series

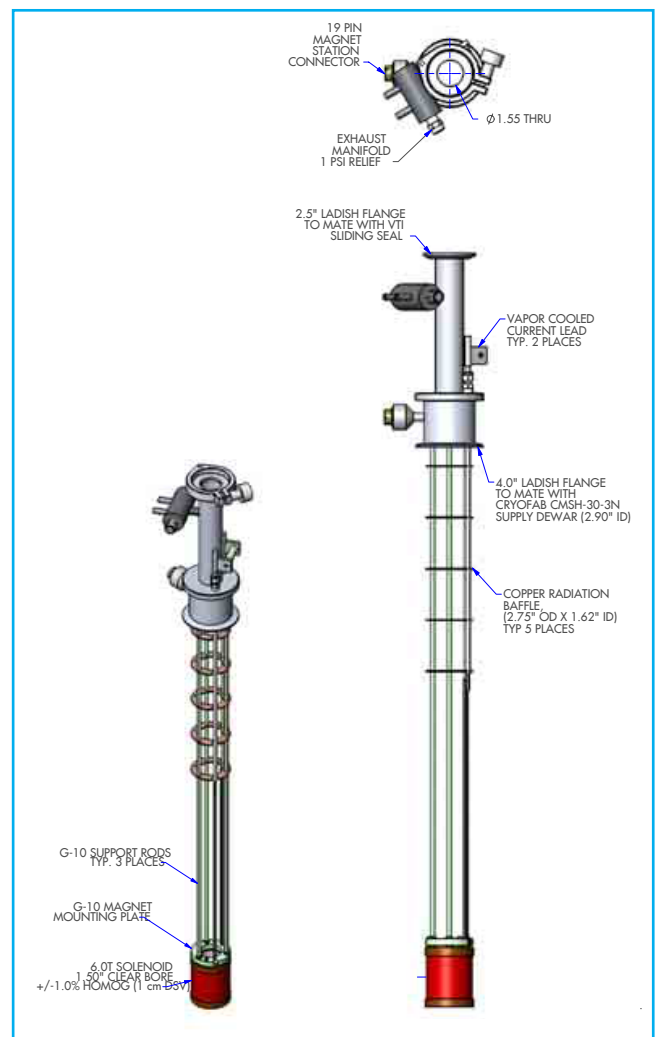
Superconducting Magnet System



- Up to 6 Tesla magnet with vertical access
- Low-loss liquid helium storage dewar
- 4K sample insert
- 4-Quadrant power supply and magnet controller for fast ramping capability
- Liquid helium level instrumentation
- Color coded, quick-disconnect power cables (e.g., no tools required)
- Complete liquid helium test of magnet system and electronics
- System software interface for magnet control (LabVIEW™)
- Complete system manual

Magnet System Specifications

- Up to 6.0 Tesla vertical field
- 4.5 Tesla per minute ramp rate
- 38 mm diameter magnet clear bore
- $\pm 1.0\%$ homogeneity (1 cm DSV)
- Liquid helium capacity: 30 liters
- Liquid helium hold time: 100 hours (zero current in leads)
- 73.5 mm dewar neck I.D.
- Custom versions available as alternate configurations



Please contact: Rainer Weissflog: +49/30/49914775. eMail: weissflog@lot-oriel.com
or: Gerhard Jockwich: +49/6151/8806-10. eMail: jockwich@lot-oriel.de

LOT-Oriel Group Europe. Im Tiefen See 58. D-64293 Darmstadt. phone: +49/6151/8806-0. fax: +49/6151/896667. www.lot-oriel.com/de

