

9 Tesla Cryogen-free magnet system

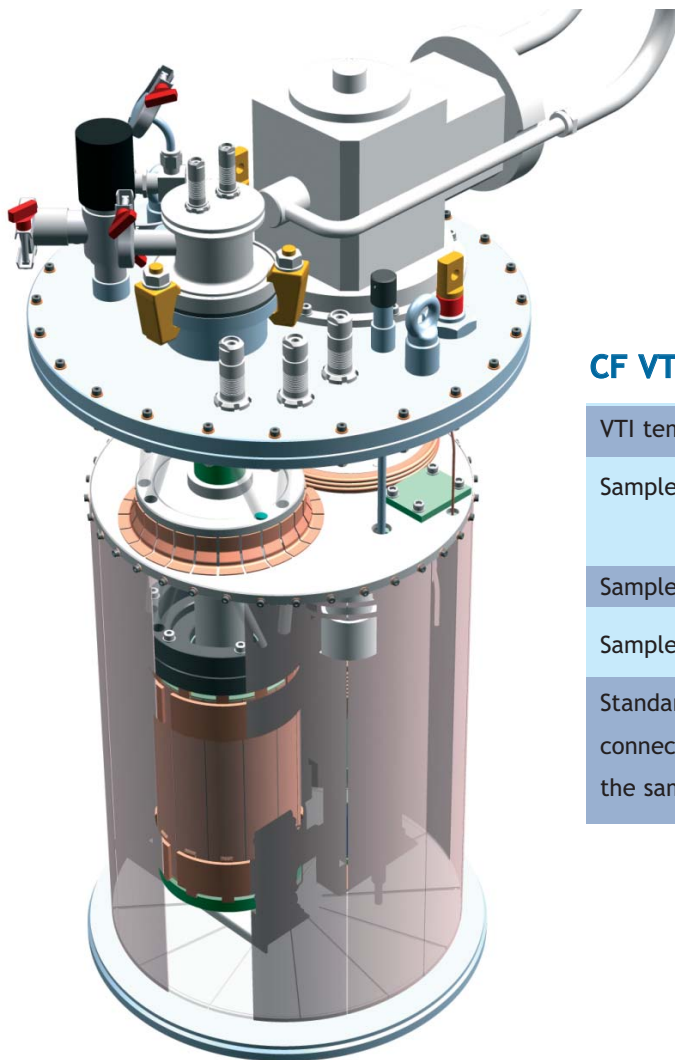
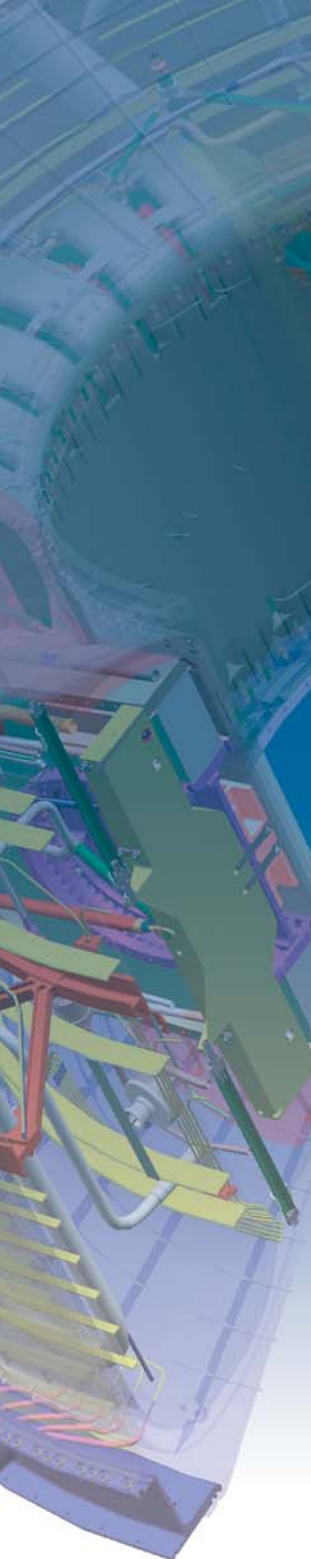
System includes:

- Cryogen-free, vertical field solenoid magnet with persistent mode switch and diode protection circuit.
- Two stage Gifford McMahon cryo-cooler and compressor.
- Optional Pulse Tube Cryo-cooler
- Compact cryostat.
- Cryogen-free variable temperature sample environment with associated gas handling system.
- Sample rod with experimental wiring.
- System electronics.
- LabView® based computer control system.



Magnet specifications

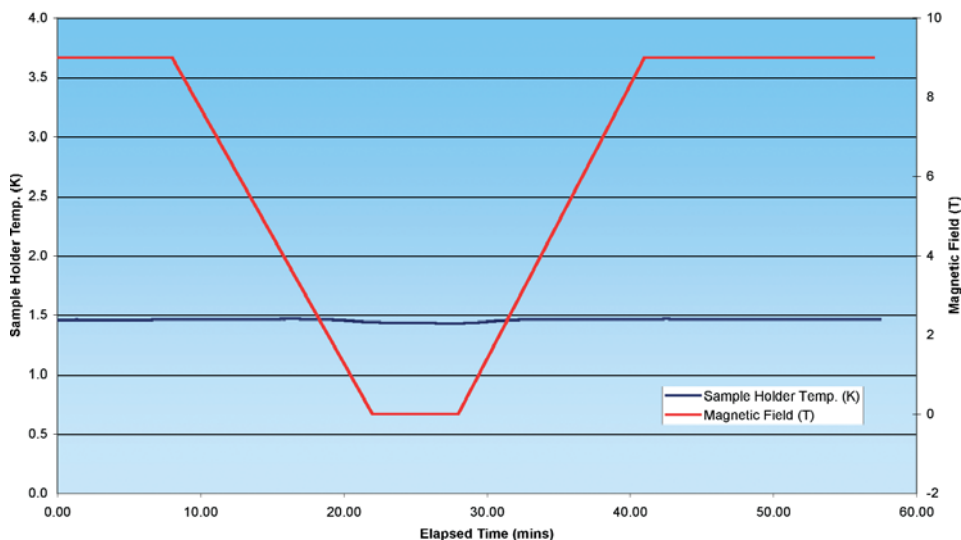
Maximum Field on major axis at 4.2 K:	Up to 12 Tesla
Persistent mode switch:	Fitted
Sweep rate:	Up to 1T/min.
Magnetic field homogeneity:	-0.1% over 10mm d.s.v.
Cool down time from room temperature to operating temperature:	<24 hours



CFVT Specifications:

VTI temperature range:	1.5K - 300K
Sample environment:	Helium exchange gas
Sample exchange:	Top loading
Sample space diameter	Typically 30mm.
Standard electrical connections to the sample:	12 d.c. wires as twisted pairs.

Temperature stability during magnet field ramping



Contact us

You can contact Scientific Magnetics through our website www.scientificmagnetics.com We will be delighted to discuss your requirements for superconducting and cryogenics systems.

