

Cryogen Free Room Temperature Bore Systems

Brochures

5 Tesla Cryogen-Free Split Pair Magnet For Muon Experiments

Mini Cryogen-Free Magnet Systems 5-9 T (m-CFMS)

15 Tesla Cryogen-Free 200 Mm Rt Bore Magnet

5 TESLA CRYOGEN-FREE SPLIT PAIR MAGNET FOR MUON EXPERIMENTS



- High vacuum 100 mm RT bore with 5 way access between windings
- High homogeneity magnet with <100 ppm over 40 mm cylinder ± 20 mm about the axis (perpendicular to the field)
- Actively shielded <2 G at 3 m in all directions
- Cooled by low maintenance twin pulse tube cryocoolers
- Comprehensive software control for autonomous operation

Cryogenic Limited,

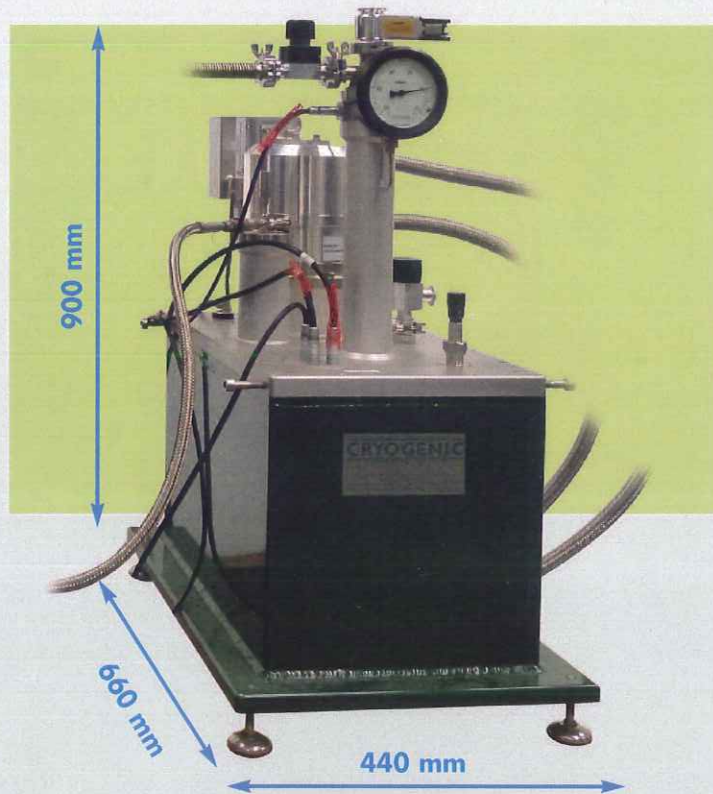
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MINI CRYOGEN-FREE MAGNET SYSTEMS 5-9 T (m-CFMS)



Suitable for
next generation
graphene samples



- Completely dry system requiring **no** liquid helium
- Magnetic field 5-9 tesla in a mini desk-top cryostat
- Sample space of 25 mm or 30 mm in the VTI
- Variable temperature range from 1.6 to 400 K
- Highly stable magnetic field
- He-3 Insert with temperatures down to 325 mK and 24 hours hold time (optional)
- High power Pulse Tube cryocooler with low vibration
- No maintenance for 3 1/2 years continuous use
- Independent and easily transportable as it runs from standard electrical supply.

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15 TESLA CRYOGEN-FREE 200 mm RT BORE MAGNET



For Materials Processing

- High Field 15 Tesla Cryogen-free superconducting magnet
- Large 200 mm room temperature bore
- Cooled by low maintenance, low vibration, dual Pulse Tube Cryocoolers
- Low operating costs as liquid helium is not required
- High resolution 20 bit power supply
- Patented fast cooldown
- Homogeneity 1.5% over 110 mm length

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