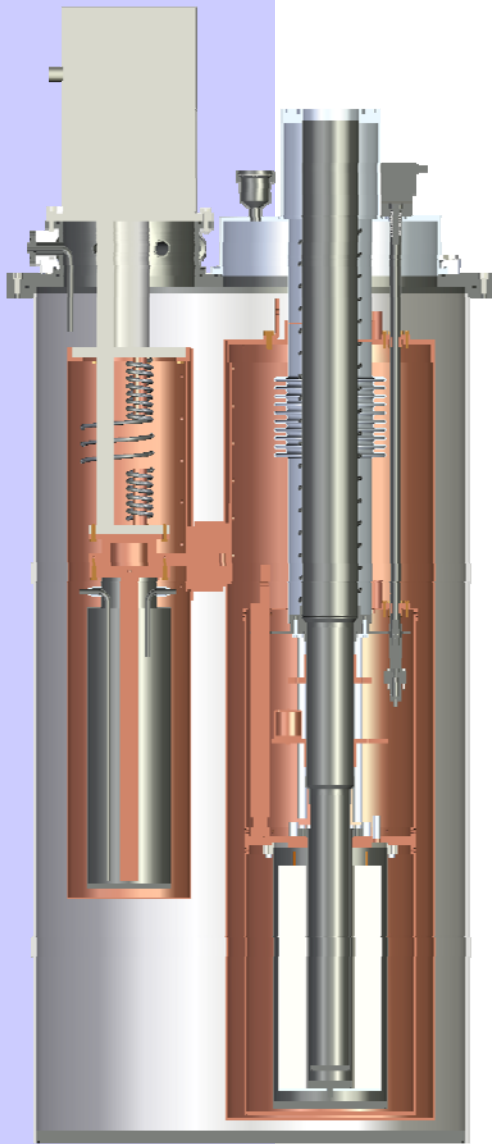


## **CRYOGEN-FREE DILUTION REFRIGERATOR/ SUPERCONDUCTING MAGNET SYSTEMS**



**Ultra-low temperature with applied magnetic fields up to 14T!**

- Configurations available with 30 $\mu$ W and 150  $\mu$ W@100mK cooling power.
- Fast cool down.
- Operates on a single 4.2K pulse-tube cryocooler.
- Ultra-low vibration.
- Low maintenance.

**Cryoconcept makes the system easy to use with...**

- Automated gas-handling system through Cryograph™ software control.
- Navigator™ software control for the superconducting magnet system.

A typical liquid cryogen free superconducting magnet system with an integrated 1.5K-300K variable temperature insert is pictured at right.

Systems such as these can be later upgraded with He3 or dilution inserts.

The 4.2K pulse tube cold head requires no routine maintenance. This reduces system down-time and related expenses.

The compressor's adsorber requires replacement once every 20,000 hours. This is a simple procedure that can be performed by the customer if desired.



Cryoconcept is part of the Cryomagnetics' family of companies. Please contact either company for further information.



**CRYOMAGNETICS, INC.**  
INNOVATIVE SUPERCONDUCTING MAGNET SOLUTIONS

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