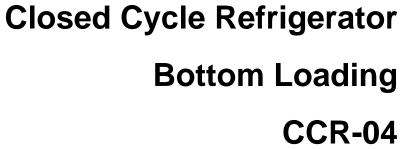
# **Equipment Fact Sheet**



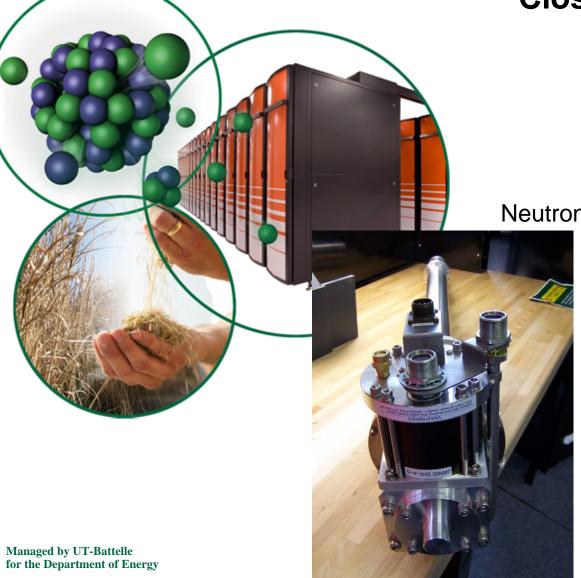
**Neutron Scattering Science Division** 

Sample Environment Group

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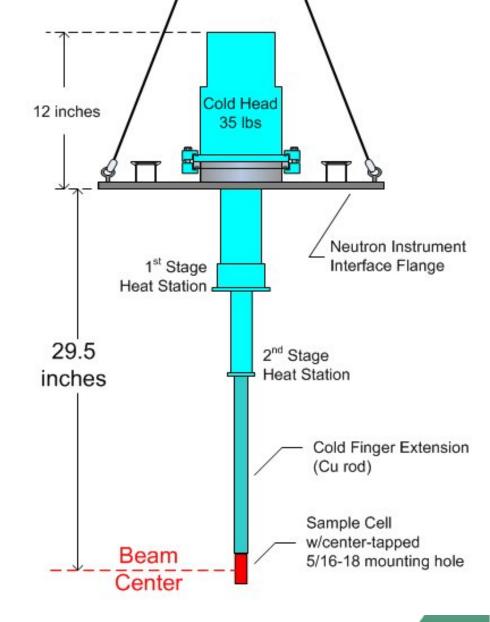
## **Basic Description**

- Off-the-shelf cooling engine
  - Sumitomo RDK-205D (0.5 W @ 4.2 K)
- Cold finger extension for SNS beam environment
- Sample temperature range 8 K to 500 K



# **Layout Sketch**

- Heat shield and vacuum jacket not shown
- Sample mounts to a 5/16-18 stud on end of cold finger
- Sample space within heat shield
  - 2.6 inch diameter
  - 5.0 inch height

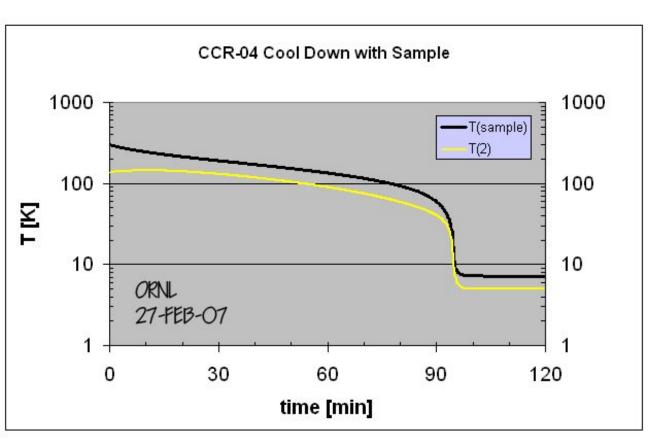


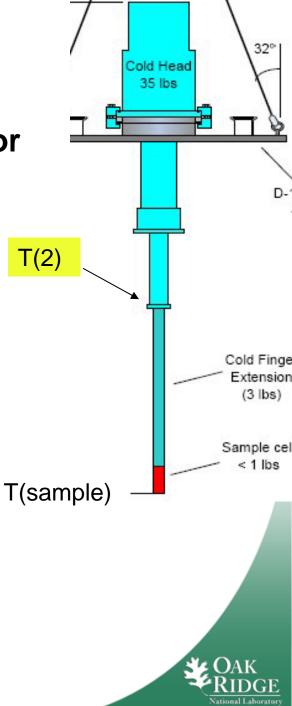


### **Performance Data**

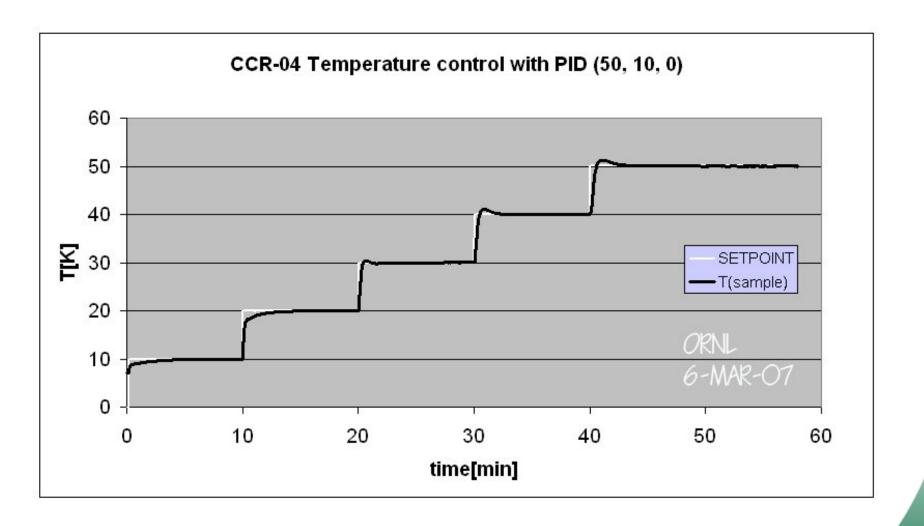
2<sup>nd</sup> stage temperature T(2) is recorded for diagnostics

Sample cools below 8 K within 100 minutes





### **Performance Data**





#### **Performance Data**

