

Title : 300mm Warm bore Cryogen free superconducting solenoid magnet



300mm diameter Warm bore superconducting solenoid magnet

Brief Description: A 300mm warm bore superconducting solenoid magnet is developed to carry out MHD studies related to flow of liquid metal in the presence of high magnetic field. This magnet is cooled using closed cycle cryocoolers and operate at 4.2K. The magnet can generate 4T magnetic field with an uniformity of 0.1% in good field region of 30mm.

Month: June

Year : 2019

Possible applications:

1. Physics experiments at high magnetic field in room temperature. Custom probes can be designed to hold the samples in low temperatures