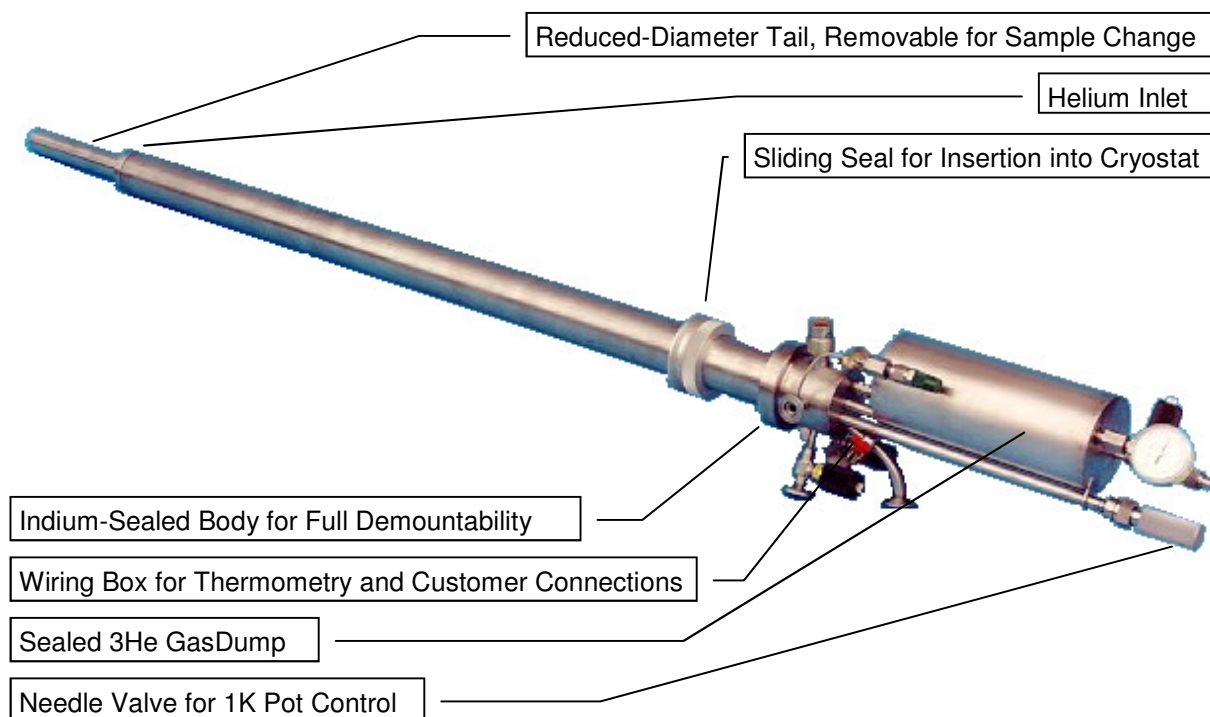


Sample in Vacuum Bottom-Loading ³He Insert



Specifications

- Variety of tail options available to fit the bore of a superconducting magnet.
- Body diameter of 50mm or 76mm.
- Choice of Indium seal or stainless steel conical seal for sample change.
- Calibrated Cernox or Ruthenium Oxide sensor fitted to ³He pot.
- Additional temperature sensors on 1K pot and sorption pump.
- Sorption pump cooled by helium gas flow.
- Labview Software available for operation with a Lakeshore temperature controller.
- Typical zero-load hold time up to 48 hours at 300mK with a five-litre charge of ³He gas.
- Cooling power up to 200μW with sample temperature below 500mK.
- Operating range 0.3K to 3K in single-shot liquid mode or 2K to 80K as a continuously operating exchange-gas VTl.
- Helium-3 charge sealed into integrated dump vessel, avoiding the risk of gas loss.
- Wiring options include up to twelve twisted pairs and up to four flexible or semi-rigid coaxial cables.

Model	Sample Mount Diameter	Tail Outer Diameter	³ He Capacity
3He-23/32BL	23mm	31.8mm	5 litres
3He-28/38BL	28mm	38.1mm	5 litres
3He-40/51BL	40mm	50.8mm	5 litres