

Cryocool-LT Gas Stream Cooler

Revolutionizing the
Speed and Resolution
of Data Collection for
Crystallographers!



System Features:

- Operating temperature range from 11 K to 300 K when using helium gas flow
- Ice free single flow (eliminates the need for shield gas)
- Cold stream temperature stability better than +/- 0.1K
- Closed Cycle Cryogen Free Refrigerator - use no gas or liquid cryogenes for cooling cycle (Cold stream gas supplied by customer)
- Quiet direct drive SHI refrigerator with cooling power of 1.5 watts @4.2K refrigerator
- Water cooled 3 Phase compressor
- 20M long interconnecting hoses
- Large nozzle diameter of 0.312 inch (~8 mm) and inside diameter 0.272 inch (~ 7 mm)
- Control heater installed in transfer line nozzle
- Silicon diode temperature sensor installed in nozzle
- Vacuum and superinsulated for highest efficiency
- All welded stainless steel transfer line for long term reliability
- 1.5 meter entire length flexible for easy handling and manipulation of nozzle
- Pressure relief installed on vacuum spaces
- Charcoal vacuum maintenance cryopump
- Built-in cold trap for gas stream contaminant removal
- Long term continuous operation
- Control heaters installed on refrigerator cooling stages
- Temperature sensors installed on refrigerator cooling stages
- Electronic flow controller

MODEL 336 AUTOTUNE TEMPERATURE CONTROLLER

- Fully integrated and tested with system

(OPTIONAL) NOZZLE SUPPORT STAND:

- X-Y-Z Axis Metric Stage for precision nozzle adjustment
- 60 mm total travel each axis, 20 mm travel per knob rotation
- 1 mm increment scale, locking knobs
- Stand with tilt, rotation, up-down and in-out adjustments
- Sturdy lightweight corrosion-resistant anodized aluminum

CRYO Industries of America, Inc.