

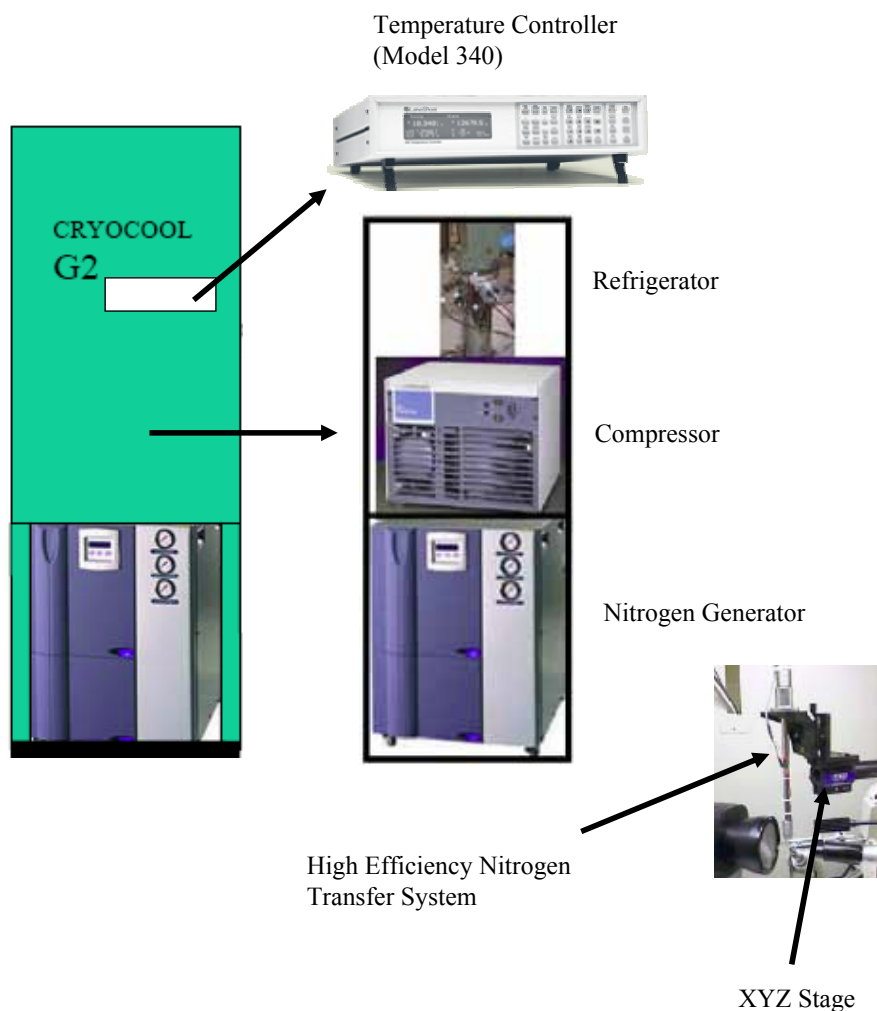
FROM CRYO INDUSTRIES



CRYOCOOL G2

**CRYOGEN FREE
GAS STREAM COOLING**

CRYOCOOL-G2
Operates with Helium or Nitrogen



CRYOCOOL-G2
Cryogen Free
Gas Stream Cooler (N₂/He)
with Never-ice Technology
for X-ray Crystallography

1. Start the gas flowing
2. Turn-on the never-ice system
3. Push the compressor 'ON' button
4. Voila, a cold gas stream is created.

The Refrigerator
The GM refrigerator cools the nitrogen gas stream.

No liquid nitrogen or helium used. Nitrogen gas can be lab supply or extracted from the air using our nitrogen generator.

- Lakeshore model 340 temperature controller
- interfaces to latest Bruker software
 - simultaneous temperature display of
 - a. gas stream
 - b. refrigerator
 - c. never-ice tip
 - CRYO Auto control PC software

Vacuum and superinsulated stainless steel gas stream transfer line

Space saving single cabinet package with or without air compressor



Never-Ice Technology - No shield gas needed - Ice free (inside and out)

Single gas flow never-ice system maintains an ice-free environment at low temperature

Temperature Range	(78 K (-195 °C) to 500 K (227 °C) - G2 nitrogen gas stream cooler) (28 K (-245 °C) to 500 K (227 °C) - G2b nitrogen/helium)
Heat or Cool	extended operating temperature range to 500 K
Gas flow rate	0 to 10 l/min (variable)
Temperature Stability	+/- 0.1 K
Transfer line length	2 m
Nozzle inner diameter	0.272 in (~7 mm)
Power Requirement	G2 - 208/240 V 1-phase, G2b 208/240 3-phase
Nitrogen Generator Gas Purity	99%