

# LIQUID NITROGEN GENERATORS

Cryo offers complete Liquid Nitrogen Generator Systems with two different liquefaction capacities:

Cryocool-LN10: 10 liters/day

Cryocool-LN50: 50 liters/day

Two styles are available:

Direct Feed Design

Dewar Mounted Design

CRYO's liquid nitrogen generator systems eliminate the cost of buying liquid nitrogen and the hassle of waiting for deliveries.

## Gas In- Liquid Out



*Cryocool-LN10  
Direct Feed Design*



*Cryocool-LN50  
Dewar Mounted Design*



*Optional Nitrogen Gas Generator*

### DIRECT FEED DESIGN:

The Direct Feed design is a stand-alone flow out system that is easy to use with no permanent attachment to a dewar. Nitrogen flows into the inlet port and liquid nitrogen flows out the nozzle. This small footprint design allows for direct filling of experimental dewar/cryostat.

### DIRECT FEED DESIGN FEATURES:

- 24 hour/day automatic operation
- Thread on tips available to customize the nozzle for your special application
- Water cooled compressor standard (Air cooled compressor is available)
- Optional nitrogen gas generator

### DEWAR MOUNTED DESIGN:

In the Dewar Mounted design the coldhead is mounted on a 100 liter Liquid Nitrogen storage dewar. The nitrogen gas flows in the inlet port, is liquefied and the liquid nitrogen is stored in the dewar.

### DEWAR MOUNTED DESIGN FEATURES:

- 24 hour/day automatic operation
- Liquid level probe installed in the dewar
- Supplied with a high efficiency, light-weight epoxy fiberglass dewar
- Water cooled compressor standard (Air cooled option available)
- Optional nitrogen gas generator