



MMR Technologies, Inc.

# Product *sheet*

## ELAN2™ Liquid Nitrogen Generator

**Elan2™ provides you with clean, reliable, on-demand liquid nitrogen by extracting it directly from the air in your office.**

*Elan2™ extracts pure nitrogen from the surrounding air and converts it into LN2. You can dispense the liquid produced by simply pushing a button when needed. You can locate your Elan2™ conveniently in your office or laboratory. It is aesthetically pleasing and no larger than a water cooler.*

### **Reliable**

The Elan2™ taps the most abundant source of nitrogen, the Earth's Atmosphere, directly. The Elan2™ applies proven cryogenic technology to convert nitrogen from the air to liquid. Our patented technology has been in use continuously for 8 years in demanding scientific applications. The secret to Elan2's reliability is a self-cleaning cooling cycle developed at MMR. Our cooling system maintains its original high efficiency over time and is free of ozone depleting CFCs.

### **Convenient**

The Elan2™ completely replaces Liquid Nitrogen delivery and storage. The Elan2's footprint is smaller than most storage Dewars and eliminates the need for delivery access. LN2 is available for dispensing at the push of a button precisely when you need it. You dispense LN2 without having to use cryogenic gloves because the transfer Dewar need not be held during transfer.

### **Safe**

You only need to handle the small quantities of LN2 required for your procedures. The LN2 transfer Dewar stands securely in place during dispensing thus preventing any skin burns. A key and security system guarantees that only authorized personnel can dispense the LN2.



### **Liquid Nitrogen when you need it, as you need it.**

You start each day with a fresh supply of 0.75 liters of liquid nitrogen stored in your Elan2™. Elan2™ continues to meet your needs by producing 180 mL of LN2 every hour until the 0.75L internal reserve is replenished. Elan2™ meets your needs during busy periods and produces up to four and a half liters of LN2 during any 24 hours.





## elan2 Liquid Nitrogen Generator

### Electrical Service

Voltage	115 VAC / 220 VAC
Phase	Single
Frequency	50/60 Hz
Power	900 Watts

### Operating Environment

Temperature	60 °F - 82 °F [16 °C - 27 °C]
Humidity	< 40% relative humidity
Dust	standard office environment
Noise	< 55 dBa at 1 meter

### Liquid Nitrogen

Generation Rate	250 cc/hour (6 liters/day)
Storage Capacity	1.2 liters
Purity	98% (< 2% O <sub>2</sub> )

### Dimensions

Generator	13" W x 13" D x 37" Ht 33 cm W x 33 cm D x 94 cm Ht Weight 75 lbs (34 kgms)
Air Compressor Provided	17.5" W x 17.5" D x 15" Ht 45 cm W x 45 cm D x 38 cm Ht Weight 60 lbs (27 kgms)



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