

# LN<sub>2</sub> Injector



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Chart Liquid Nitrogen Injectors are designed for pressurizing or inerting bottles, cans, plastic, glass or styrofoam containers.

## Models Available:

*Can Line* - 2400 cpm - pressure up to 40 psi

*Bottle Line* - 900 bpm - pressure up to 18 psi

*Custom Applications Available*

## Technical Features:

- Low cost alternative.
- Only portable injector available on the market today.
- Interchangeable to various lines.
- Compact and light (40 lbs.).
- Easy to install and operate.
- Allen Bradley or Mitsubishi PLC to automatically calculate container speed.
- Continuous operation.
- Available with a pulsory program for speeds up to 300 per minute.
- Lowest consumption of nitrogen in all injectors on the market.
- Aluminum or steel enclosure, fully heated.

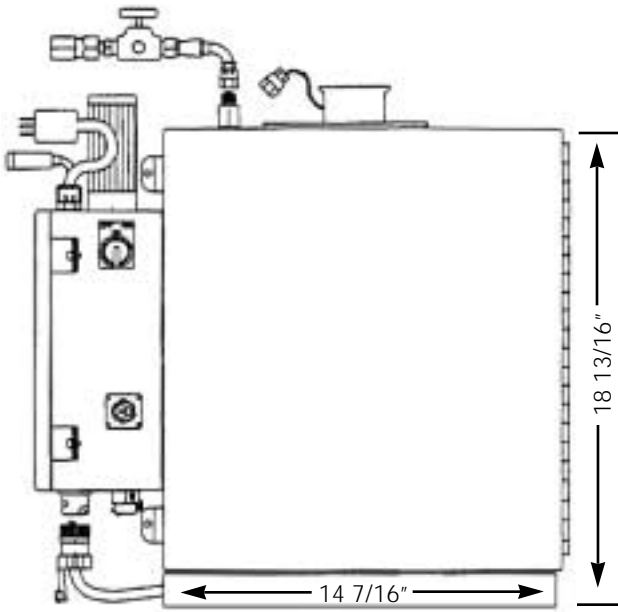
## Liquid Nitrogen Requirements:

- Chart manufactures all piping, valves, storage and accessories required for optimal use of LN<sub>2</sub> injectors
- The only source for turn-key reliable LN<sub>2</sub> delivery to the injector.



# Specifications

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The Chart Injector is designed to be quickly installed and removed from a filling line. The compact 40 lb. unit is self contained in two attached control boxes housing the electrical and nitrogen components respectively.

The system uses a sensor and a series of valves and nozzles to inject a preset volume of liquid nitrogen into the container at a given speed. The sensor detects the presence of a container and a PLC calculates the container speed, which in turn directs the proper number of valves to open. As the line speeds up, more valves open to ensure proper pressurization or blanketing.

- Requires 110 volt AC, 60 HZ
- Operates from MVE Liquid Nitrogen Tank or Dewar.

## Other Cryogenic Accessories:

### *Bulk Storage Vessels:*

- LN<sub>2</sub>
- CO<sub>2</sub>

### *Portable Cryogenic Liquid Cylinders:*

- LN<sub>2</sub>
- CO<sub>2</sub>

### *Gaseous Vaporizers:*

- LN<sub>2</sub>
- CO<sub>2</sub>

### *Vacuum Insulated Piping:*

- LN<sub>2</sub>
- CO<sub>2</sub>

### *Insulated Piping:*

- Chilled Water
- Hot Water
- Steam

*Engineering Support For All Systems*

## Chart Injector System Includes:

- 12'-0" Flexible Liquid Supply Line.
- Gas Line and Regulator.
- Stainless Steel Mounting Hardware.
- Assortment of Cryogenic Nozzles.
- Can or Bottle Sensor.
- Liquid Nitrogen Filter.

Lease Packages Available On All Products



Chart Industries, Inc. - [www.chart-ind.com](http://www.chart-ind.com)  
Tel: (800) 888-877-3093 (US), (952) 882-5000 (Worldwide), Fax: (952) 882-5188  
MVE Europe GmbH: +49(0)212-700 570, Fax: +49 (0)212-700 577  
MVE Asia Pacific: 65-838-5209, Fax: 65-235-3680