



### M280X3 Liquid Nitrogen Generator

Fully assembled and tested COMPLETE Liquid Nitrogen Generator being fully automatic producing LN<sub>2</sub> 24-7 without operator intervention. A 300 liter vacuum insulated Stainless Steel tank stores the daily production of 150 liters. Integrated within the enclosure are an oil-free scroll air compressor and PSA GN<sub>2</sub> generator. Touch Screen (HMI) and PLC controls provide for reliable and safe operation. With the push of one button, LN<sub>2</sub> is delivered to the customer's tank and **as easy as decanting tap water.**

#### Specifications

Storage Capacity:	300 liters
Peak Production:	170 liters per day
Standard Production:	150 lpd at 60 Hz
Purity:	>99% with 99.9%, peak
Dimensions:	178 <sup>W</sup> x 127 <sup>D</sup> x 201 <sup>H</sup> cm
Empty Weight:	1180 kg
Environment:	Indoor our Outdoor
Certifications:	CE, ASME Sec, VIII

#### Features

- Controls: PLC and Touch Screen
- Operation: One-button with Auto-Start
- Controls: Fully Automatic
- Monitoring: Remote PC via Internet
- Warranty: One Year from Installation
- Extended Warranty: Life on Software & Instruments
- Reliability: Triple Redundancy
- Air Compressor: Dry Scroll Type

#### Utilities

- Cooling Water: 24 lpm at 2 barg (note 1)
- Power for USA: 208 VAC, 3 $\phi$ , 60 Hz, 125A  
480 VAC, 3 $\phi$ , 60 Hz, 65A
- Power for International: 400 VAC, 3 $\phi$ , 50 Hz, 65A

#### Options

- Chiller for Cooling: 10T Automatic Recirculator
- V.J. Transfer Line: 2.5 meter long
- On-Site Installation: By KIC Service Engineers

*Many options and features are available to meet the customer's application and environmental conditions. Please consult with the KIC engineers regarding previous experience and custom designs.*

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