**Mobile MicroBulk System**

Chart’s Nomad Series offers a versatile and flexible solution for temporary gas applications and small liquid delivery requirements of oxygen, nitrogen or argon. The Nomad Series comes complete with a 4700 SCFH vaporizer, trailer and gas use connection for immediate use in a wide range of gas applications such as construction sites, welding jobs, or as a backup delivery system. The tank plumbing is designed with pressure building and economizer circuits to match the vaporizer flow rate for maximum efficiency.

The inner vessel is rated for a Maximum Allowable Working Pressure (MAWP) of 250 psig (17.2 barg) to provide sufficient pressure rise without product loss during periods of non-use. All models feature a robust proven internal tank support system design and are built with Chart’s exclusive super insulation system for long service life and low product loss.

**STANDARD PRODUCT FEATURES**

- Premium Quality Drop-Deck Felling® Trailer with choice of either:
  - 2.5” Lunette Eye/Pintle Hitch
  - Gooseneck Style (shown in above photo)
- High-Performance Ambient Vaporizer
- Robust Field-Proven Internal Tank Support System
- Thermal Efficient Super Insulation System
- Optimized Pressure Builder & Economizer Design
- Low Pressure Road Relief Circuit (CGA-341)
- High Performance Pressure Building Coil
- Stainless Steel Bottle Construction
- Dual Safety System with Diverter Valve
- One-Year Parts & Vacuum Warranty

**OPTIONS**

- Single final line regulator with 6 port distribution manifold
- Dual final line regulators with 6 port distribution manifold
- Liquid delivery lined hose with storage tube
- 1½” bulk fill connection kit
# NOMAD 830G MP

## MOBILE MICROBULK ON-SITE STORAGE AND DELIVERY SYSTEM

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Capacity</td>
<td>829 gal/3,138 L</td>
</tr>
<tr>
<td>Net Capacity(1)</td>
<td>746 gal/2,824 L</td>
</tr>
<tr>
<td>MAWP(2)</td>
<td>250 psig/17.23 barg</td>
</tr>
<tr>
<td>Length (overall)(3)</td>
<td>23 ft/700 cm</td>
</tr>
<tr>
<td>Tank Diameter</td>
<td>58 in/147 cm</td>
</tr>
<tr>
<td>Height (overall)</td>
<td>96 in/243 cm</td>
</tr>
<tr>
<td>Trailer Width</td>
<td>102 in/259 cm</td>
</tr>
<tr>
<td>Total Weight (tare)</td>
<td>9500 lbs/4,310 kg</td>
</tr>
<tr>
<td>Total Weight (gross)(4)</td>
<td>18,000 lbs/8,165 kg</td>
</tr>
<tr>
<td>Vaporizer</td>
<td>4,700 SCFH</td>
</tr>
<tr>
<td>NER (%/day) N₂</td>
<td>1.18%</td>
</tr>
<tr>
<td>NER (%/day) O₂/Ar</td>
<td>.73%</td>
</tr>
<tr>
<td>N₂ Capacity</td>
<td>69,469 SCF</td>
</tr>
<tr>
<td>O₂ Capacity</td>
<td>85,835 SCF</td>
</tr>
<tr>
<td>Ar Capacity</td>
<td>83,886 SCF</td>
</tr>
<tr>
<td>N₂, O₂, &amp; Ar Flow Rate</td>
<td>4,700 SCFH</td>
</tr>
</tbody>
</table>

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1. Based on 10% Ullage
2. Inner: ASME Section VIII Division 1
3. Pintle Hitch Trailer: 23'-9", Gooseneck Trailer: 27'-6'
4. When filled with Argon

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### SCHEMATIC

![Diagram of NOMAD 830G MP](image)

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### SYMBOLS

- **A**: TOP FILL
- **B**: BOTTOM FILL / LIQUID WITHDRAWAL
- **C**: PRESSURE BUILDING OUTLET
- **D**: PRESSURE BUILDING VALVE
- **E**: LIQUID PHASE TRIGGER
- **F**: VAPOR PHASE SLOW
- **G**: ECONOMIZER
- **H**: FILL TRIGGY
- **I**: SAFETY RECTANGULAR

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