No pipeline? No problem. TRUXX

Making natural gas accessible and easy to use for locations off the grid.

TRUXX E-Series
TRUXX G-Series

algas-sdi.com
TRUXX products provide long-term value by incorporating features that minimize your continuing operating expenses. Our systems are designed, manufactured, and pre-tested to expedite and simplify installation on your site. Installation only requires a concrete pad (for fixed locations) and a small electrical source to begin flowing gas.

TRUXX is a fully functional system that gives end users access to natural gas as quickly as possible with minimal downtime.

6 hrs
TRUXX portable designs enable natural gas to start flowing in less than 6 hours after arriving on site.

7 days
TRUXX fixed locations begin flow in 1 week.

TRUXX G-Series uses less than 1 kWh of electricity while other systems use as much as 6 kWh for lower flows.
Why **TRUXX**?

The TRUXX units offer an easy way to bring natural gas to commercial and industrial facilities, utilities, high-horsepower field-service companies, and others not connected to a pipeline.

Our systems address critical items for CNG suppliers, including:

- Low heel pressure
- Low inlet temperature
- Simple, reliable heat system
- Ease of maintenance

Increased Reliability

TRUXX ensures reliability, which means a predictable and reliable track record through well-proven standardized designs. All TRUXX units are designed and manufactured by our trained professional staff.

Easy Maintenance

Tired of crossing pipes and wires? The TRUXX G-Series was designed to allow ample space to service equipment.

---

**Algas-SDI**

[algas-sdi.com]
Removes Complexities

High pressures? Low temperatures? Variable flow rates?

We considered all these conditions when designing TRUXX. As such, we removed potential obstacles that keep you from doing your business — moving natural gas.

TRUXX: A Modular Approach

- Standardized design of TRUXX units enables short lead times.
- Modular heating system allows incremental sizes up to 9000 CFM.
- Two integral decanting posts to main unit reduce site installation costs.
- Our unique pressure control design allows for a reliable and stable discharge pressure.

TRUXX E-Series unit at customer site
TRUXX Heating Technologies

TRUXX is offered in three different heating technologies:

<table>
<thead>
<tr>
<th>Electrical TRUXX E-Series</th>
<th>Gas-Fired TRUXX G-Series</th>
<th>Waterbath TRUXX W-Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIXED INSTALLATIONS</strong></td>
<td><strong>PORTABLE &amp; FIXED INSTALLATIONS</strong></td>
<td><strong>PORTABLE &amp; FIXED INSTALLATIONS</strong></td>
</tr>
<tr>
<td>- Lowest maintenance requirement of any CNG systems</td>
<td>- Integrated high-pressure heater with no remote glycol loop</td>
<td>- Integrated high-pressure heater with no remote glycol loop</td>
</tr>
<tr>
<td>- Designed for automated or manual switchovers between trailers</td>
<td>- Low power consumption for sites that have little power available</td>
<td>- Heating and decompression all on one skid for smaller installation footprint</td>
</tr>
<tr>
<td>- Small footprint (unit is 12' x 8')</td>
<td>- Unit is built in 20' shipping container, allowing for easy chassis/trailer selection or concrete pad installation and keeping your assets mobile</td>
<td>- Dedicated control room to house all of your required subsystem</td>
</tr>
<tr>
<td>- Quick start-up (at operating temperature in less than 4 minutes)</td>
<td>- Simple-to-understand HMI so you can quickly understand what is happening with your system</td>
<td>- Fully integrated controls reduce field integration and wiring</td>
</tr>
<tr>
<td>- 316 stainless steel heat exchanger</td>
<td>- Designed for ease of maintenance</td>
<td>- Simple-to-understand HMI so you can quickly determine what is happening with your system</td>
</tr>
<tr>
<td>- Class I, Div. 1 explosion-proof design</td>
<td>- Modules available to 900 CFM</td>
<td>- Designed for ease of maintenance</td>
</tr>
<tr>
<td>- Modules available to 900 CFM</td>
<td>- Modules available to 1250 CFM</td>
<td>- Modules available greater than 1500 CFM</td>
</tr>
</tbody>
</table>

TRUXX is offered in three different heating technologies:
- **Electrical TRUXX E-Series**
  - Fixed installations
  - Lowest maintenance requirement of any CNG systems
  - Designed for automated or manual switchovers between trailers
  - Small footprint (unit is 12' x 8')
  - Quick start-up (at operating temperature in less than 4 minutes)
  - 316 stainless steel heat exchanger
  - Class I, Div. 1 explosion-proof design
  - Modules available to 900 CFM

- **Gas-Fired TRUXX G-Series**
  - Portable and fixed installations
  - Integrated high-pressure heater with no remote glycol loop
  - Low power consumption for sites that have little power available
  - Unit is built in 20' shipping container, allowing for easy chassis/trailer selection or concrete pad installation and keeping your assets mobile
  - Simple-to-understand HMI so you can quickly understand what is happening with your system
  - Designed for ease of maintenance
  - Modules available to 1250 CFM

- **Waterbath TRUXX W-Series**
  - Portable and fixed installations
  - Integrated high-pressure heater with no remote glycol loop
  - Heating and decompression all on one skid for smaller installation footprint
  - Dedicated control room to house all of your required subsystem
  - Fully integrated controls reduce field integration and wiring
  - Simple-to-understand HMI so you can quickly determine what is happening with your system
  - Designed for ease of maintenance
  - Modules available greater than 1500 CFM

Algas-SDI
algas-sdi.com
New in 2015

G-Series Decompression System

This is the easiest CNG system to install.

- Units available in multiple sizes to meet your capacity.
- Designed to operate in a Class I, Division 2 electrical classification area.
- Weights estimated at 11,000–12,500 lbs. depending on capacity. Unit can be moved on gooseneck trailer with heavy-duty pickup.
- PLC designed with Ethernet connection to allow CNG distributor remote access to process information and alarm conditions.
- Two integral trailer lanes eliminate all high-pressure field piping.
- Only requires single-phase electrical supply.
- System requires no compressed air.

TRUXX G-Series unit at customer site
The TRUXX G-Series features an interior design that gives technicians ample space to work on the unit inside the container. Interior highlights include:

- **-70°F (-57°C) inlet temperature ratings** allow use of type IV trailers in cold climates.
- **All components prior to first-stage regulators rated to 4500 psig/310 bar** (highest CNG trailer pressure available).
- **Automatic lane switching allows unmanned operation.**
- **Division 2 natural gas heater requires less than 50 gallons of glycol.**
- **Outlet temperature control responds quickly to load changes and trailer switches.**
- **System pressure remains stable when load changes without relief valves opening.**
- **Rugged first-stage pressure reduction eliminates costly seat wear.**
- **System comes standard with Coriolis flow meter. These meters have high turndown, no moving parts, and are resilient to dirty gas.**
- **Interlocks such as ESD, high LEL, over pressure, and low temperature are all actively monitored. Safety is always our first priority.**
The TRUXX G-Series emphasizes simplicity in installation, operation, and maintenance. The unit’s user interface (located inside the unit) is intuitive and easy to understand.

Inlet side of TRUXX 75 G-Series with two integrated fill posts.

Discharge side of TRUXX 75 G-Series with convenient flanged outlet.
Algas-SDI believes safety is core to CNG. Our TRUXX systems are equipped with proper safety features:

- All piping inside TRUXX skids are over-pressure protected.
- High-pressure piping and valves are rated for 4500 psig and temperatures of less than -70°F, the industry's low-temp leader.
- Reliable electrical and instrumentation controls used on all TRUXX systems.
- Actuated valves on each fill connection are programmed to close in the event of emergencies or by remote access from centralized operation center.
- SIL Level 2 emergency shutdown circuitry ensures emergencies are handled separately from normal operations.
- Optional positive ground and authorization switches ensure operator has performed necessary steps to connect trailer.
- Redundant pressure control valves are available for safety and reliability.
Backup Fuel Systems

In addition to decompression equipment, Algas-SDI also builds LPG vaporizers and LPG/air mixing equipment. This backup system ensures you always will be able to deliver BTUs to your end-user.

LPG/air is an ideal backup fuel because it behaves identically to natural gas. It flows through the same pipe, the same regulators, and the same NG burners. An LPG/air mixing system from Algas-SDI provides security of supply with fuel on site and complements the TRUXX package for critical applications in which the customer cannot accommodate any NG interruptions.
The Algas-SDI Advantage

Algas-SDI is the world’s leading provider of equipment for the standby and transportable fuels business for the last 80 years. We take pride in creating high-quality engineering design and packaged systems, with distribution to more than 87 countries worldwide. Equipped with an experienced in-house engineering and design team, Algas-SDI ensures quality control with ISO 9001 certification and offers the requisite code compliance.

Algas-SDI. We make transportable fuels easy to use.