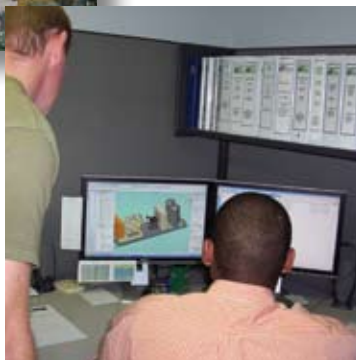




GREENFIELD

Leading Technologies for Alternative Fuels

Complete Natural Gas and
Hydrogen Vehicle Refueling Solutions



GreenField Experience Atlas Copco Strength

GreenField Compression, formally Sulzer, now part of the Atlas Copco Group, brings to the market an UNSURPASSED combination of EXPERIENCE and STRENGTH.

Time tested EXPERIENCE of nearly a century of NGV development assures GreenField customers access to the most reliable, technologically advanced, leading edge equipment available for NGV and Hydrogen fueling applications.

For over 135 years the STRENGTH of Atlas Copco has been interaction, commitment and innovation. These values have made the company a World Leader in its products and financial stalwart in its businesses. Our World Wide network of people and resources assure you that you are never far from support.

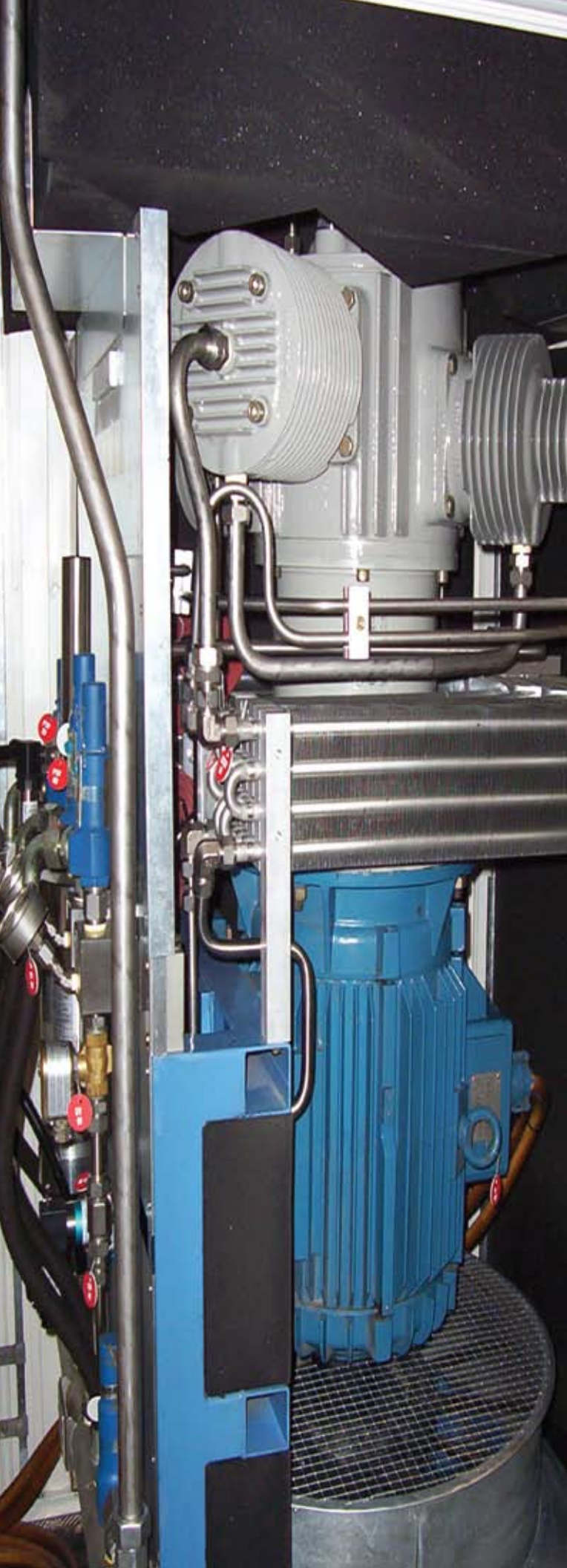
GreenField Alternative Fueling Systems – the SINGLE SOURCE for NGV or Hydrogen Equipment & Support. Rely on us for:

- High-pressure compressor systems
- Dispensing systems
- Fueling components
- Storage
- Dryers
- After-Sale Support Services
- Applications include CNG, Hydrogen, Helium, Nitrogen, Air, Argon and other technical gases

Our modern fabrication facility is staffed with skilled specialists experienced in fabrication, assembly of mechanical equipment and processing units, design and programming of dispensing and control systems, installation, maintenance and operation.

GreenField North America, is headquartered at our Richardson, Texas facility, consisting of 130,000 sq. ft. of office, manufacturing and paved area for open storage, fabrication and assembly of large process systems. We look forward to the opportunity to put our capabilities to work for you.





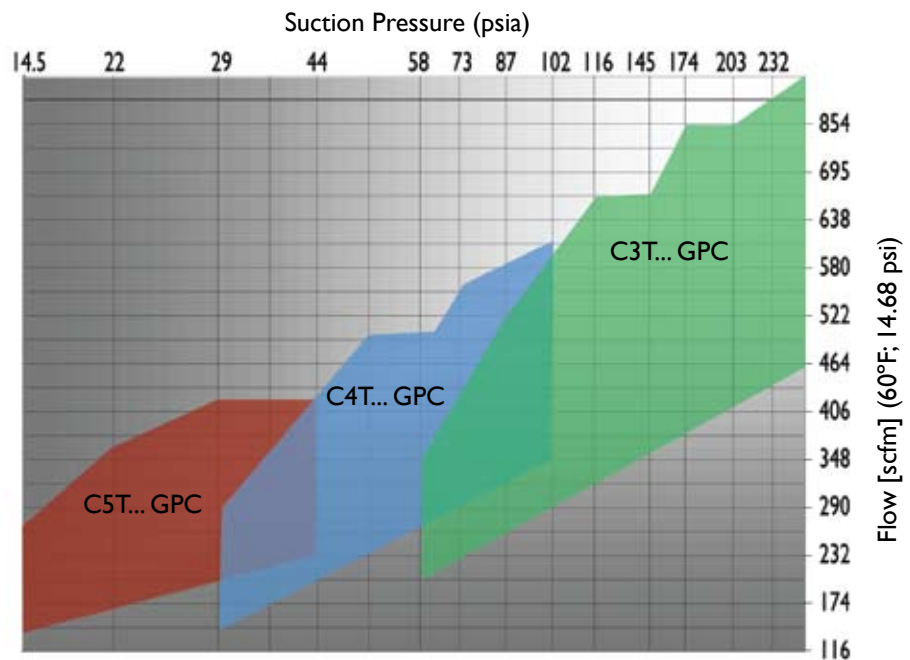
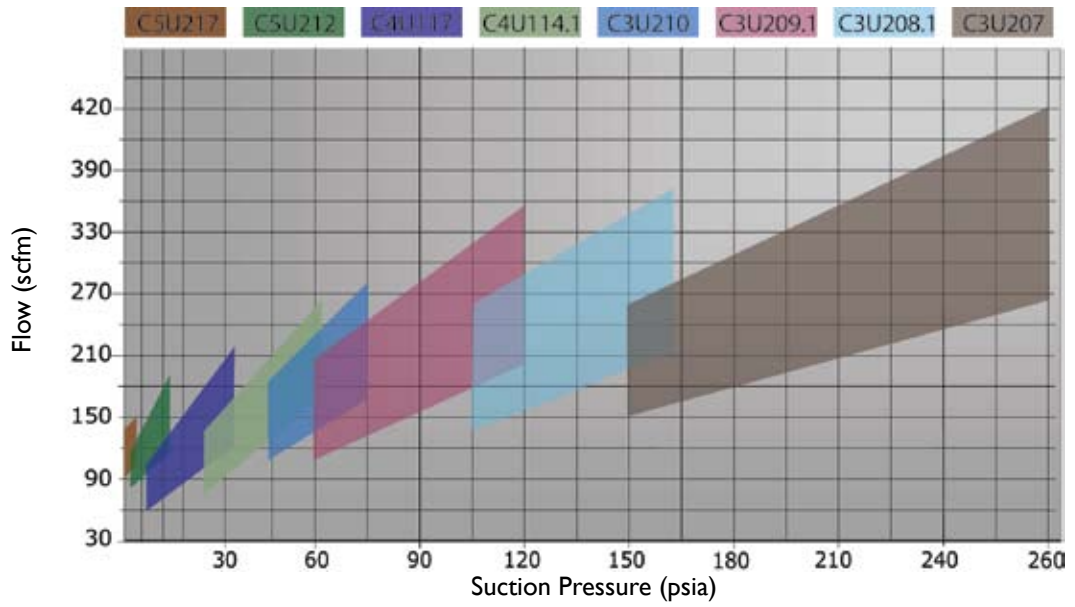
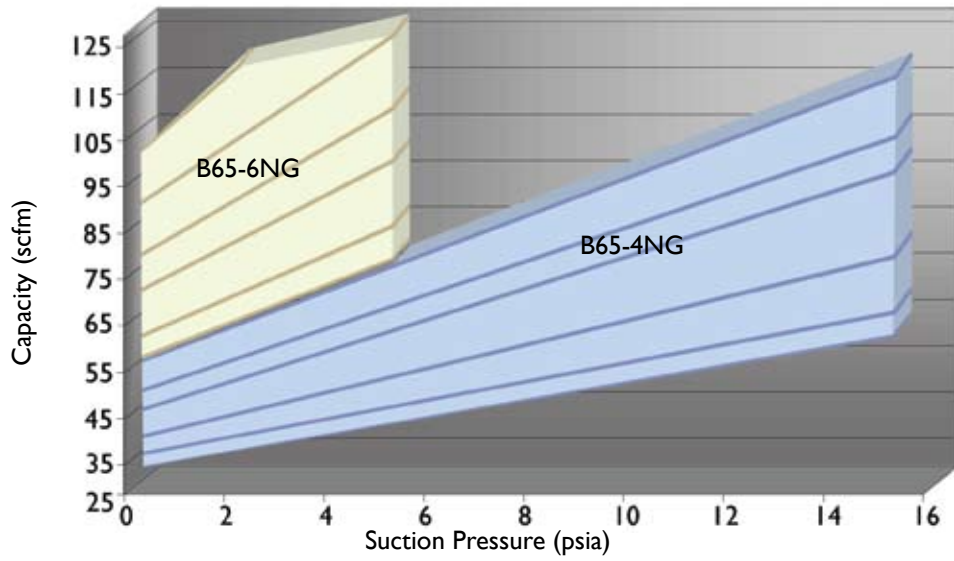
GreenField Provides Electric or Natural Gas Engine Driven Systems

Features include:

- GreenField-designed and manufactured compressor, compression system and controls.
- Pressure-tight crankcase design ensures no fugitive gas emissions.
- PLC controlled compressor and priority system.
- Air cooling fan mounted on crankshaft (CU, CT) eliminating need for auxiliary drives and motors.
- Piston ring and interstage valve wear monitoring system.
- Controlled cylinder lubrication to insure low component wear.
- V-belt drive provides versatile speed selection.
- Skid edge connections for gas and power.
- Electric or Natural Gas Engine Drive available.
- Modular, free standing construction.
- Small footprint allows flexibility of site layout.
- Enclosure option available. Noise reduction and insulation enhancements available.
- Storage system priority control and ESD capable of being built into compressor skid.
- Foundation pit boxes for dispensers reduces field installation costs.
- Single source responsibility.
- Fully shop-tested and certified prior to shipment.
- Built and tested to all applicable NGV codes and standards.
- Third party (NRTL) certification and listing of complete manufactured product.



Compression Flow Charts

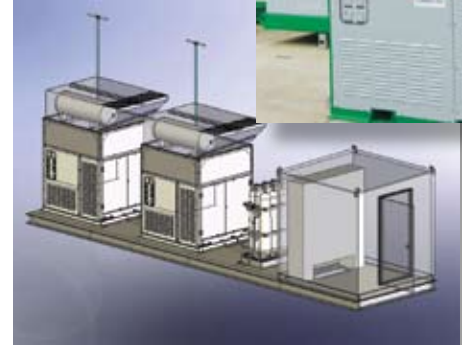
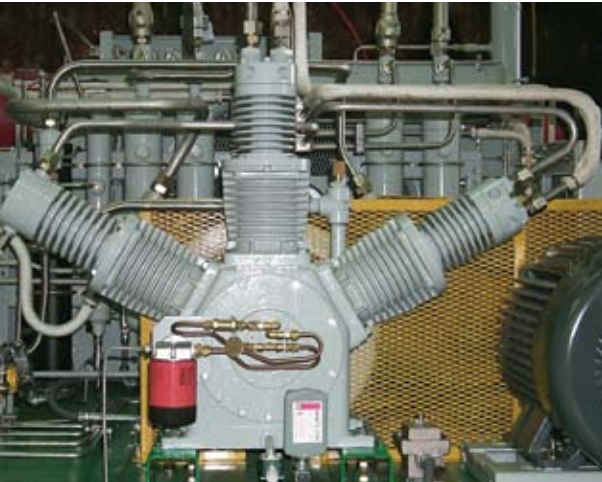


Three Basic Compressor Packages to Suit Most NGV Needs

B65-NG Compressor

Capacity: Up to 125 cfm
Suction Pressure: 0.1 to 16 psig
Discharge Pressure: Up to 4500 psig
Drive Type: Electric
Arrangements:

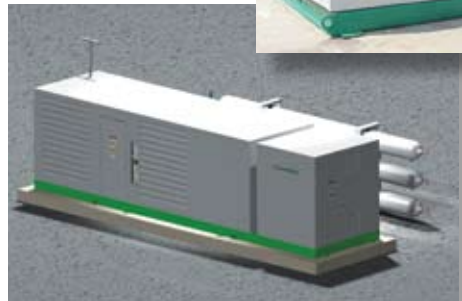
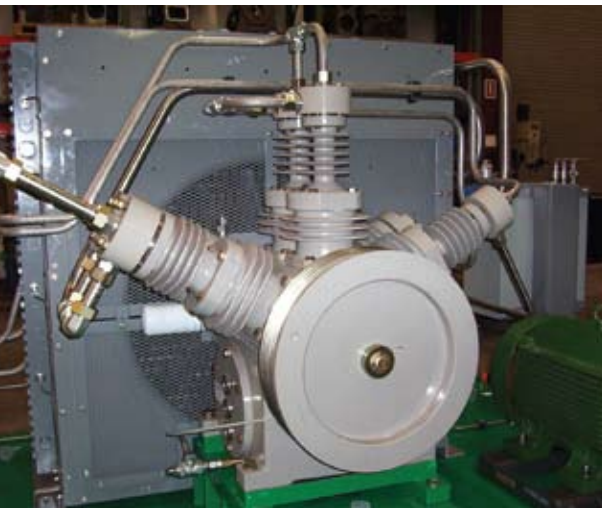
- Single
- Dual



CU Compressor

Capacity: Up to 420 cfm
Suction Pressure: 0.5 to 250 psig
Discharge Pressure: Up to 4500 psig
Drive Type: Gas or Electric
Arrangements:

- Single
- Dual



CT Compressor

Capacity: Up to 1000 cfm
Suction Pressure: 0.5 to 250 psig
Discharge Pressure: Up to 4500 psig
Drive Type: Gas or Electric
Arrangements:

- Single
- Dual



NGV Refueling Systems

GreenField manufactures a full range of air and water cooled high-pressure NGV compressors. These rugged trunk piston compressors are available in multi-stage execution to suit various inlet and discharge pressures and volumes. Their modern design and up to date technology are a result of 95 years experience in the NGV industry and ensure optimum performance and reliability.

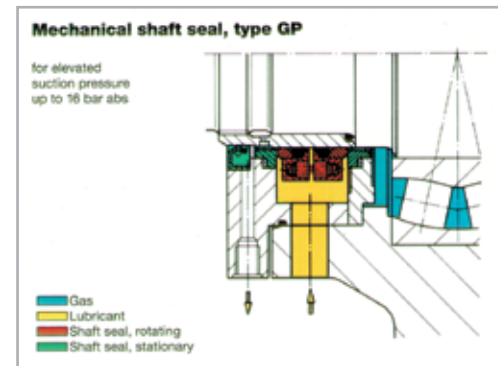
The packaging of these compressors and other associated NGV station components for the North American market is carried out at GreenField's facility in Richardson, Texas. Service backup for NGV customers is supported through operations in southern and central California, Allentown and our Dallas area packaging center. We also have service partners in other parts of North America.

Valves

The valves have been designed especially for the very severe conditions which occur in high-pressure gas compressors. Suction and discharge parts of the individual stages are concentrically combined in one single valve which, placed on top of the cylinder, can be easily removed. The position of the suction part in the valve center allows cooling of the discharge part situated on the outer side. Valve lift, spring characteristic and the material of the plates are chosen according to the gases compressed and the operating conditions.

Crank Mechanism and Lubrication

The single-throw (B65) or double-throw (CU, CT) counter-balanced, heavy-duty crankshaft is supported on roller bearings located in detachable bearing endplates. One of these endplates also carries the built-in oil pump and filter. The connecting rods have replaceable tri-metal bearing shells at the crank pin and roller bearings at the piston pin. The crank-pin bearings are forced-feed lubricated, while all other mechanical components as well as pistons and cylinders are lubricated by means of splash lubrication. The crankcase is vented to the compressor suction side, providing gas tight operations.



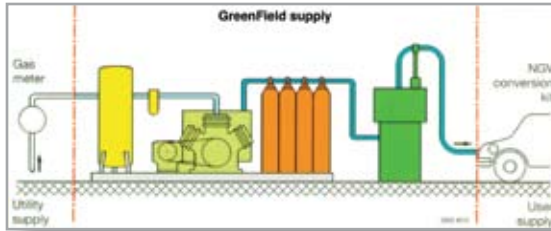
Cylinders

The cylinders are made of high-quality cast iron with deep transverse fins for ample cooling. The pistons are manufactured of aluminum alloy or cast iron and incorporate specially selected cast iron or engineered non-metallic piston ring combinations.



From Gas Supply to Vehicle...

GreenField is Your Resource for Full Line Manufacturing & Packaging



Compressors

- High Pressure Industrial Gas Design
- Pressure Tight Crankcase
- Application Proven Durability



Dispensers

- Proven Petroleum Industrial Electronics
- Advanced Technology Sequencing Control
- Microprocessor Control

Controls

- UL and MET Laboratories Listed Shop
- In-house Programming and Support
- Remote Monitoring and Diagnostic Capability



Coolers

- ASME Code, U Stamp
- National Brand Registration
- Highly Efficient 15°F Approach



Packaging

- Application Engineered Products
- Proven Standardized Design
- GreenField Manufactured Critical Components

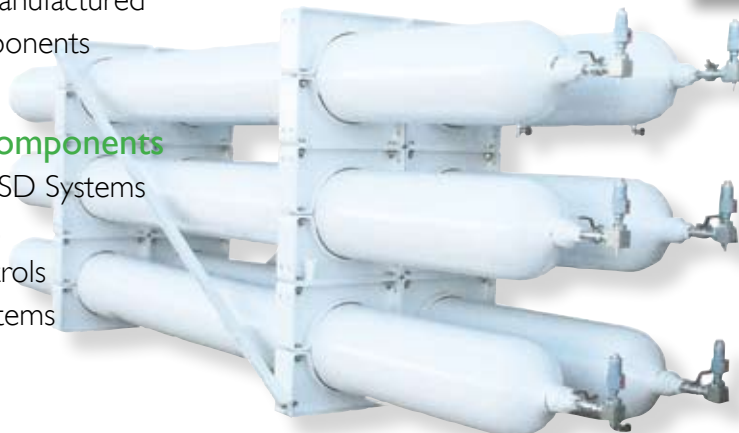
Associated Components

- Priority and ESD Systems
- Time Fill Posts
- Time Fill Controls
- Defueling Systems



Fully Electronic Dispensers

- High Hose Profile
- High Flow Rating
- Proprietary Sequencing Valve
- Dual and Single Hose Arrangements
- Dispenser Card Reader and Video Capability



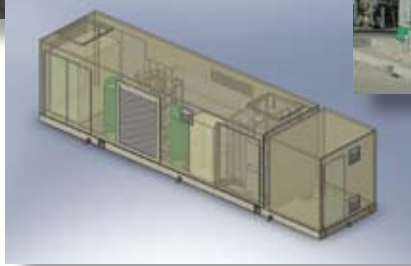
Storage Vessels

- ASME
- DOT

Gas Dryers

- Inlet

Hydrogen Solutions Customized for Your Application



GreenField, the World-Wide leader in Alternative Fueling technologies, proudly offers a full line of high-pressure compressors and complete refueling stations. GreenField is now part of the Atlas Copco Group.

What sets GreenField and Atlas Copco apart? Our mutual beliefs that to excel we must provide the best possible know-how and technology in ways that our customers value. Whether we're fully supporting existing products or advancing technology through innovation, we constantly focus on customer needs.

GreenField follows the Atlas Copco way of doing business, growing from ongoing interaction, long-term relationships, and a commitment to understand each customer's process and objectives. As a result, every alternative fueling solution we create helps a customer operate with greater efficiency, economy and productivity.

Satisfying customer needs effectively has made GreenField the world's leading alternative energy equipment manufacturer. We will continue to attract new business through our unwavering conviction to creating products and ideas that help our customers succeed.

First in Mind – First in Choice™

Visit our website at:
www.greenfieldcompression.com



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