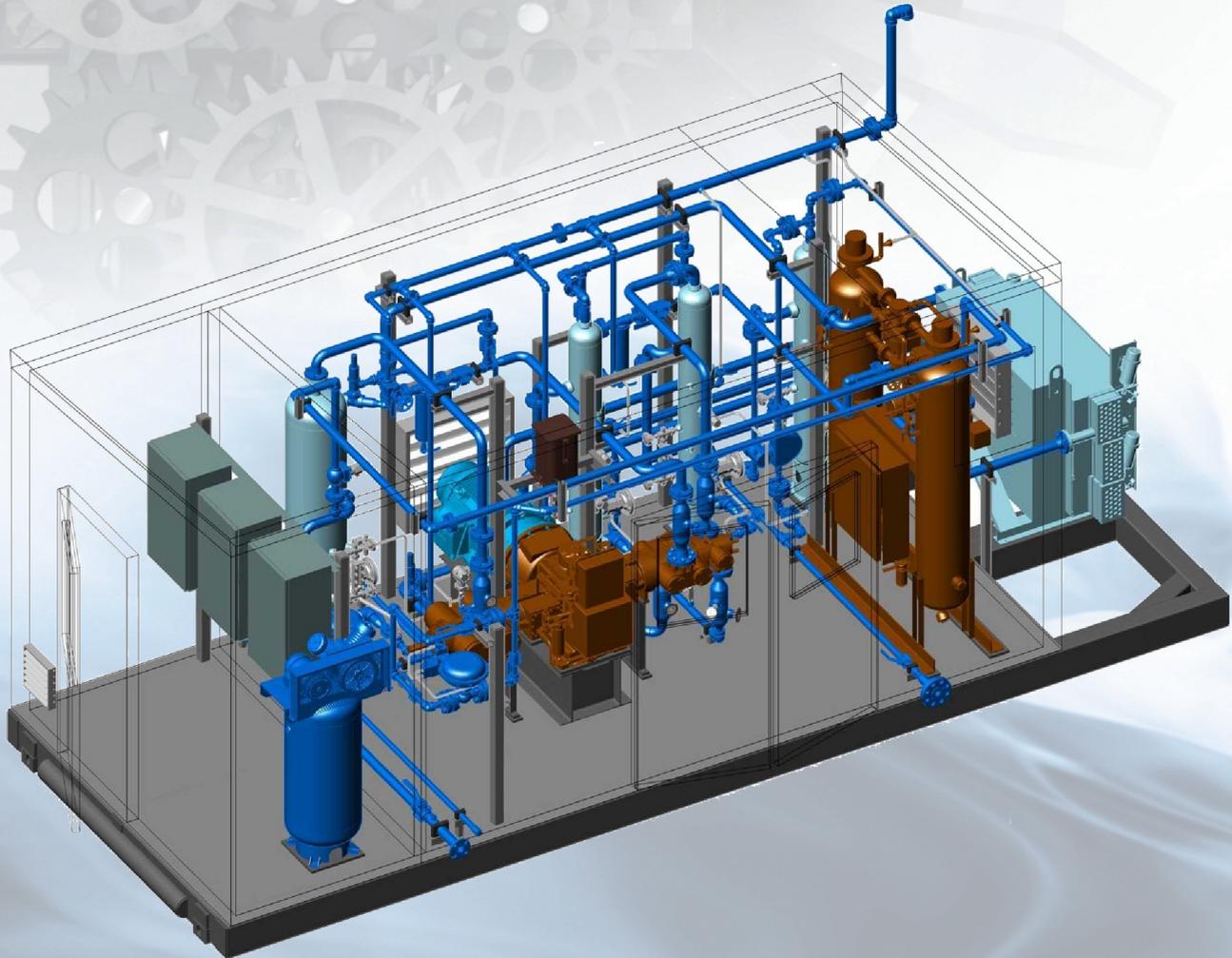


Applied Compression Systems



**CNG COMPRESSORS
AND ACCESSORIES**

PRODUCT RANGE

- 5 TO 750 HP
- Pressures to 6000 PSIG
- Lubricated and oil-free
- Air or water cooled
- Up to five stage design
- Customized packages available

APPLICATIONS

- CNG fueling stations
- High pressure cylinder filling
- Alternative fuel testing and development
- Stranded gas transportation
- Virtual pipeline compression

Applied Compression's range of CNG compressor packages has you covered.

With packages from 5 to 750 horsepower in size we offer one of the widest selections in the industry, allowing us to provide you with the right machine for your application and budget.

These compact lubricated or non-lubricated gas compressor packages are designed for dependability and efficiency over a wide range of conditions.

As a provider of both standard and custom fabricated CNG compressor modules, we have the expertise to design and supply the most cost-effective packages for your requirements.

Our packages offer a clean, simple design that allows easy access for normal maintenance.

Packages are available as a simple skid-mounted unit or housed in a weather proof enclosure or walk-in style building for cold climate conditions.



COST EFFECTIVE MANUFACTURING

At Applied Compression, we recognize that in many cases, the initial capital cost of the compressor package will often determine the economic viability of the project. With this in mind, we have developed a range of CNG compressor packages that allow us to easily match a unit to your specifications and budget.

EXTENSIVE COMPRESSOR PACKAGING EXPERIENCE

The key personnel at Applied Compression have over 100 years of combined gas compressor packaging experience including projects throughout the world and in the harshest operating conditions.

HIGH RETURN ON INVESTMENT

Because of the low cost of CNG when compared to gasoline or diesel fuel, CNG has an exceptionally high return on investment.

Over the past few years, natural gas prices have followed a decidedly different path than gasoline or diesel prices. While gasoline and diesel costs have increased significantly, natural gas prices have dropped.



MODULAR DESIGN

Our modular design makes it possible for us to find the optimum solution for each specific CNG fueling application, both from a technical and economical point of view.

COMPRESSOR CONTROL PANEL

Our Evolution X control panel is a full-featured compressor control panel that brings management of all systems together on a 5.7" colour touch-screen.

Suction and discharge pressures are managed using a combination of analog I/O and onboard PID capability.

Compressor operating parameters, status and system fault information are clearly displayed on-screen, so users can easily make necessary adjustments.

INTEGRAL AUTOMATIC VENT GAS RECOVERY SYSTEM

An integral vent gas recovery system automatically captures and stores gas which is vented from the discharge piping each time the compressor stops.

This gas is then automatically released back into the compressor inlet when the unit restarts eliminating the harmful release of gas into the atmosphere.

ELECTRIC MOTORS

WEG brand Severe Duty, Premium Efficiency cast iron frame, TEFC electric motors with a 1.25 service factor up to 100 horsepower (1.15 SF over 100 HP). Inverter duty certified for 20:1 CT and 1000:1 VT

NON-PROPRIETARY COMPONENTS

Wherever possible we use non-proprietary, brand name, industry standard components allowing qualified local compressor service providers to maintain your compressor package.

PRE-TESTED PACKAGES

Every compressor package is completely assembled and tested under load to make sure it leaves our plant in perfect operating conditions.

COLD CLIMATE OPTION

Where harsh winter conditions are a consideration, our packages are available with a 'Cold Climate' option which includes an insulated building, heater/cooler thermostatically controlled louvers, etc.



DETAILED PARTS & OPERATING MANUALS

Each compressor package manufactured by us comes with a set of in-depth parts and operating manuals, so you can clearly understand the operation and maintenance requirements of the equipment.

QUALITY CONTROL DOCUMENTATION

On completion, you are provided with detailed quality control documentation including material test reports (MTRs), hydro-test reports, x-ray certificates, welder qualifications, weld mapping, ASME U1A forms etc., ensuring safe equipment operation for years to come.

SHIPPING LOGISTICS

Whether you need a package to be shipped within Canada, across North America or overseas, we can assist with final shipping arrangement to your site.

CNG STORAGE SYSTEMS

Of key importance in designing a functional fast-fill system is the ground storage.

The volume of storage capacity required will depend on the number of vehicles being filled, the allowable time to fill each vehicle and the volume of gas required to fill the vehicle.

Fast-fill systems allow a vehicle to refuel in a short time period. To achieve this gas is stored in high pressure cylinders which are generally arranged in a cascade system.



Sequencing is controlled by a priority panel which directs the flow of gas to and from the storage bank in order to ensure the fastest possible filling of vehicles.

When filling a vehicle, gas is first taken from the low pressure bank, followed by the medium pressure bank and finally the high pressure bank.

The compressor then refills the cylinders starting with the high pressure bank and working down to the low pressure bank.

Applied Compression provides a complete range of single or multi-vessel CNG storage assemblies complete with valves and manifolds.

FULL RANGE OF ACCESSORIES

To complete your installation, Applied Compression offers a full range of accessories including CNG dryers, dispensers and control panels.



Toll Free (855) 417-2396
Fax (250) 417-3183
info@appliedcompression.com

CANADIAN ADDRESS
400 Industrial Road A
Cranbrook, BC V1C 4Z3

U.S. ADDRESS
PO Box 111
Eastport, ID 83826