



## CNG Refuelling Solutions



Intelligent Air and Gas Technology



## CNG Refuelling Solutions

As a world leader in compressed air and gas systems, CompAir's technological advances in design, manufacture and installation of ready-to-run refuelling systems are helping to make CNG a viable energy resource for today's commuters and transport operators.

With a complete range of bespoke and off-the-shelf CNG refuelling packages, you can be assured of our quality, reliability, and long term commitment as a leading manufacturer of compressors.

The strength and heritage of CompAir lies in 100 years of experience and global supply. CompAir has compressor manufacturing facilities in North America, the United Kingdom, Continental Europe and China as well as sales outlets in over 100 countries.

CompAir offers world-wide application experience while providing a genuinely local service to customers.

To date CompAir has supplied over 350 refuelling systems to leading companies and government agencies throughout the world, including British Gas, Gaz de France, BP, Petronas, KeyGas, Brisbane City Council, Onyx France, Goteburg Energi and Caltex.





# A range of compressed gas systems to suit all applications

CompAir Gazpack series compressors are the answer for organisations looking for a modular total capability CNG refuelling station.

Recognising every customer's needs are different CompAir provides modular solutions allowing flexibility and growth, supplying small packages for trials though to turnkey solutions for high capacity public filling stations.

In addition to an efficient and reliable compressor module CompAir offers:

- Storage cascades
- Priority panels
- Dryers
- Integral or remote control systems
- Time or fast fill electronic dispensers
- Card Access facilities

CompAir's engineered solutions cover everything from conforming to local approval standards to the complete design of individual service packages.

Extensive Requirements Survey

- Accurately size a suitable solution
- All installation aspects assessed
- Project management available

Reliability and Safety Standards Met

- Proven gas compression system
- Cost effective secure gas storage and maximum fuel utilisation
- Clean user friendly dispensing systems
- Factory tested



Dispensers



Storage System



Time and fast fill systems



Priority panels

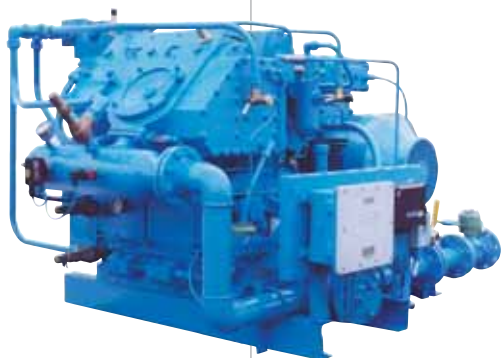
## Ready to Run CNG Systems

The Gazpack Series is split into three main product groups and is designed to service small, medium and large fleets.



### Gazpack 5    Gazpack7    Gazpack 9

- Up to 350 bar g, 12 to 60 m<sup>3</sup>/hr
- From 0.015 to 0.4 bar g inlet pressure
- Motor power from 4kW to 22kW
- Complete and ready to go
- Fully Automatic
- Ideal solution for small operations
- Low maintenance
- Self contained acoustic enclosure



### Gazpack 17    Gazpack 37

- Up to 350 bar g, 60 to 283 m<sup>3</sup>/hr
- From 0.015 to 1.0 bar g inlet pressure
- Motor power from 37kW to 75kW
- Suitable for public refuelling stations and medium size fleets
- Water cooled compressors for long service life
- Modular format
- Available as standard gas compression package to fully packaged CNG refuelling station

### Gazpack 50    Gazpack 70

- Up to 350 bar g, 170 to 1712 m<sup>3</sup>/hr
- From 1 to 18 bar g inlet pressure
- Motor power from 45kW to 250kW
- Suitable for bus fleets and large public refuelling stations
- Higher gas inlet pressures to optimise power savings
- Designed for fully automatic unmanned operation
- Modular format
- Minimum site work



## Key Features and Benefits

Air or water cooling

Optimum choice to suit all operating conditions

Packaged units

Fully tested and easy to install

V or W compressor cylinder design

Compact, minimum vibration and low noise level

Gas tight crankcase

No gas loss

Automatic drain with gas recovery

No gas loss to atmosphere

Cyclone stage separators

Reduces moisture carry over to increase piston ring life

Full instrumentation and safety devices

Complete integrity and no risk

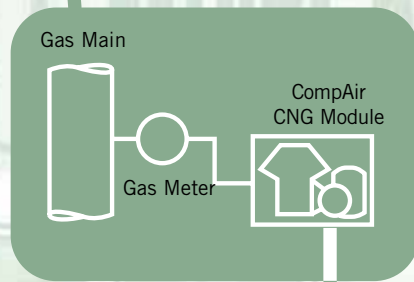
Optional gas conditioning

Vehicle fuel system protected

The CompAir compressor units are designed for continuous duty, 24 hours per day, 7 days per week, providing our customers a reliable unit with trouble free operation.

# CompAir CNG Dispensing Options

## Time Fill



Dispenser

Dispenser

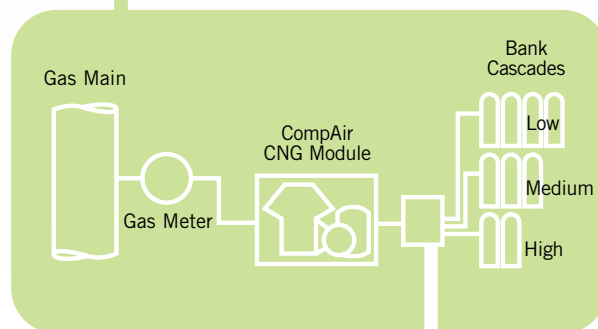
If vehicle filling time is not critical and space is not at a premium, time-fill systems can be very cost-effective.

Typically used where vehicles are parked overnight, time fill systems have no pressurised gas storage facilities. The compressor is used directly to fill the vehicle fuel tank over a period of time.

Fast-fill systems are used where speed of refuelling is critical.

With average refuelling times of 3 - 6 minutes it's ideal for fleet users where time off-road is an issue and for public CNG stations. Fast-fill systems make use of a gas storage facility commonly known as 'cascade', delivering gas at a greater flow rate than the maximum compressor capacity by supplementing the compressor output with pre-pressurised gas.

## Fast Fill



Dispenser

## After Sales Service

For companies looking to install a CNG refuelling station the CompAir Gazpack series is just one part of the overall CompAir offer.

CompAir also offer a complete independent after sales service including:

- In house service engineers
- Installation and commissioning
- Extended warranty
- Long term service contracts
- Refurbishment
- Servicing and supply of genuine spare parts
- Training

## Research & Development

CompAir's production facilities have a fundamental and deep-seated culture of innovation and continuous improvement, which bring a stream of important developments to a competitive global marketplace.

Much of CompAir's current research and development is focussed on continued improvement of energy efficiency across the range, working towards ever shorter customer payback periods. Parallel research concentrates on miniaturisation - developing physically smaller products with improved performance characteristics.

CompAir designs, develops, manufactures and supports the broadest range of compressors, from small compressors for trials to advanced custom engineered projects for the public transport industry. Wherever there is a need for high quality compressed gas, there is a CompAir product, manufactured to meet customers' individual needs.



# Intelligent Air and Gas Technology

Compressed air solutions for every application

## Compressors

0.1 - 43m<sup>3</sup>/min  
0.75 - 260kW

## Lubricated

Rotary Vane  
Single Stage Screw  
Speed Regulated Screw  
Piston  
Portable

## Oil-Free

Two Stage Screw  
Water-Sealed Screw  
Piston  
Portable  
Turbo

## Complete Accessories Programme

Filters and Dryers  
Cooling Systems  
Heat Recovery  
Condensate Management  
Air Receivers  
Multi-Set Controllers  
Lubricants

## Value Added Services

Air Audit  
Performance Reporting  
Utility Air  
Performance Contracting

## Complete Service for Compressed Air Technology

Engineering of Complete Compressor Stations  
Local Service Centres  
Guaranteed Parts Availability



www.CompAir.com  
Email sales@compair.com



CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

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