



High Pressure Compressed Air and Gas Solutions



Intelligent Air Technology



World leaders in the manufacture and commissioning of high pressure compressors for industry



A mobile unit fitted by CompAir with H5436 compressors to supply blast air to the high voltage switch-gear of the National Grid during maintenance periods.

It is not by accident that CompAir manufacture and commission more high pressure air and gas compressors, for more industrial applications, in more countries around the globe, than any other compressor manufacturer.

For over 100 years CompAir have built up a name for high pressure compressed air and gas systems based on experience, design innovation, quality, reliability and service that's second to none.

It's a reputation based on a simple philosophy, find out exactly what each customer wants, then exceed it. It's a philosophy that delivers precisely the specification of compressor needed for each application - supplied from a wide range of standard models or custom designed to meet a particular requirement - commissioned as a complete turn-key package or supplied as a minimum configuration based on individual customer needs.

This brochure is an introduction to the advanced technology and service commitment at the heart of the CompAir industrial high pressure compressor range.



CompAir is a major supplier of air compressors for switchgear of the UK's National Grid.



A pair of H5450 compressors fitted with membrane dehydrators supply air at 207 bar and -70 °C pressure dewpoint to 400 kV air blast circuit breakers. Didcot Power Station, UK's National Grid.



High pressure compressors for the widest range of industrial uses throughout the industry

Applications include

- Chemical plants
- Offshore applications
- Processing industry
- Electrical cell production
- Production and application of inert gases
- Refrigeration
- Bio gas compression

- Air blast systems for high power electrical circuit breakers
- Component pressure testing
- Automotive air-bag testing
- P.E.T. bottle blowing

- Aluminium can blowing
- Gas turbine and engine starting
- Autoclave systems
- Motion compensating marine applications

Gases include

- Hydrogen
- Nitrogen
- Helium
- Argon
- Carbon Dioxide
- Carbon Monoxide
- Methane
- Natural Gas and other gases with slight modification



Two CompAir reciprocating compressors are playing a vital role in the recovery of helium gas for the Condensed Matter Group of the Physics Department at Birmingham University.



PET H5281 supplying oil-free high pressure air at Pysu Personal Care's PET bottle manufacturing centre.



A bank of three CompAir H5450 compressors are dedicated to the compression of nitrogen used by Zotefoams in the production of packaging for the toy, motor, leisure and medical industries.



3 stage nitrogen boosting compressor being prepared for shipment to Kazakhstan as part of a nitrogen generation and compression system.



Two CompAir H5415 reciprocating compressors charge high pressure cylinders for storing and transporting nitrogen for British Airways aircraft tyre inflation at London's Gatwick Airport.



A CompAir H5409 4 stage air cooled compressor has been commissioned in California's 'The Clean Air Now Solar Vehicle Project' aimed at demonstrating the practical use of solar energy generated hydrogen as a vehicle fuel.



A typical fast fill compressed Natural Gas refuelling station supplied by CompAir.



A CompAir 4 stage water cooled compressor and desiccant dryer provides quality clean air, essential for the calibration and testing of regulators manufactured by Gas Control Equipment Limited.



A CompAir H5336 compressor installed by Trane Company to test the integrity of its air conditioning coils.





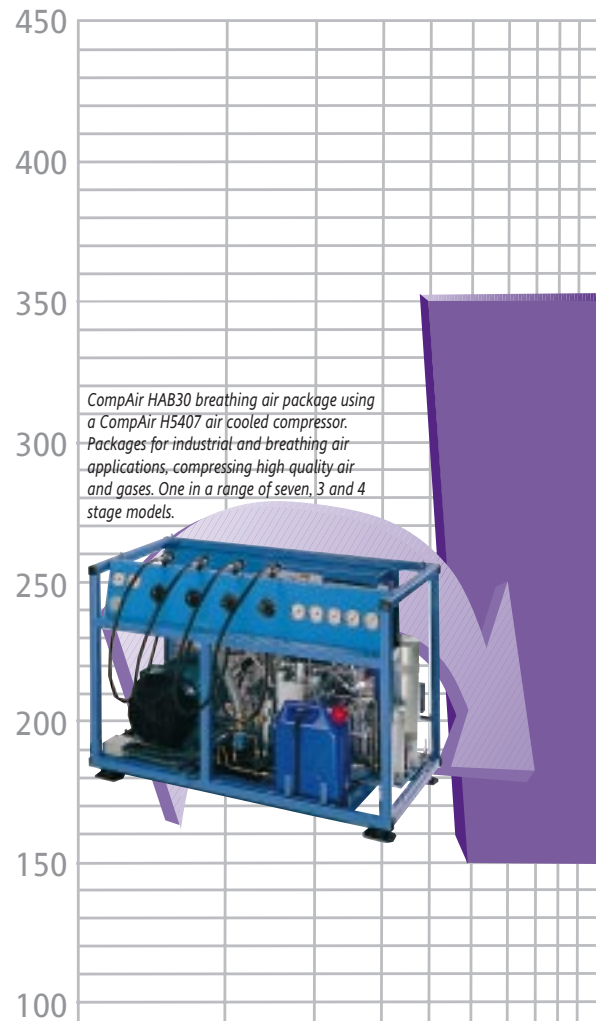
Compressor systems for the widest range of industrial air and gas applications

Providing the precise specification to meet your requirements.

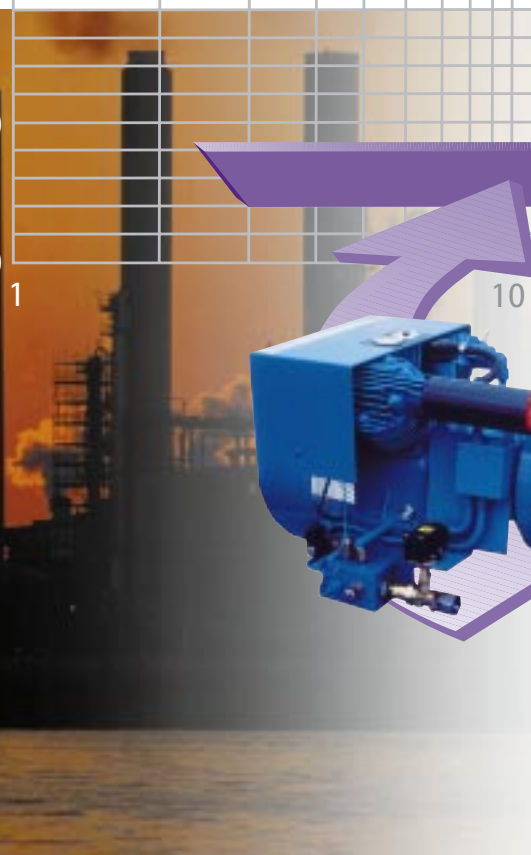
Your compressor can be supplied as a completely installed package or to a minimal configuration dependant on your needs.

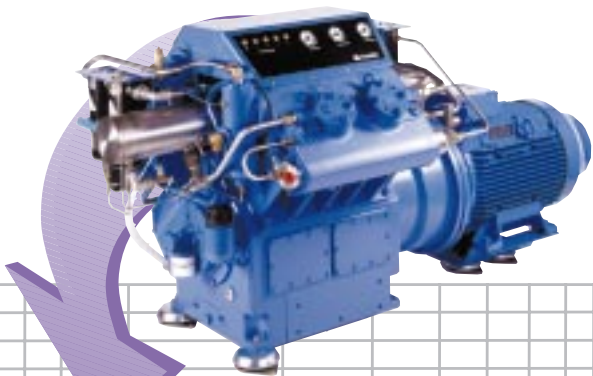
In addition, by manufacturing CompAir compressors from integrated units, a high degree of flexibility has been built into the range providing the basis for custom designed packages which match user requirements precisely and can be produced with minimal lead times.

Our technical engineers will be pleased to advise on the most suitable specifications for your application. With CompAir you have full support including technical service and back-up from installation to commissioning and aftercare.

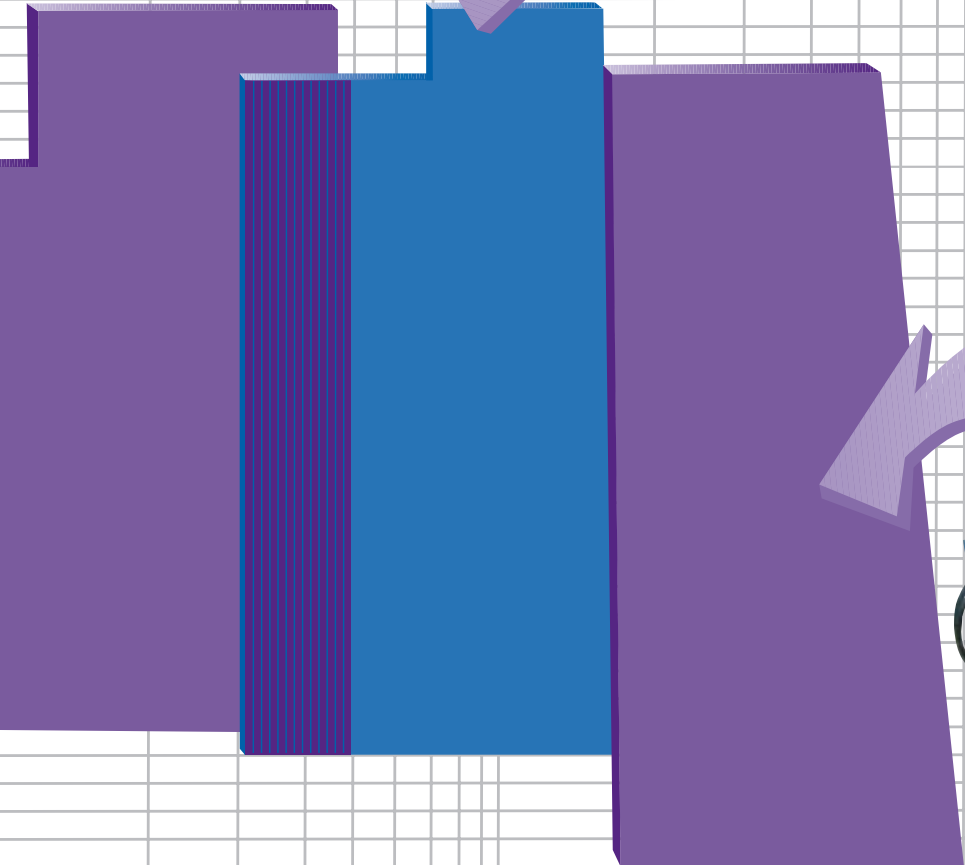


CompAir HAB30 breathing air package using a CompAir H5407 air cooled compressor. Packages for industrial and breathing air applications, compressing high quality air and gases. One in a range of seven, 3 and 4 stage models.

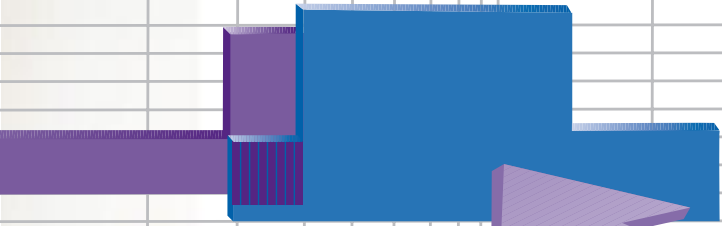




CompAir H5437, water cooled 4 stage compressor, suitable for air and gases. One in a range of six, 3 and 4 stage models.



CompAir H5470, air cooled 6 cylinder compressor, configurable from 1 to 5 stages, suitable for air and gases. One in a range of two models.



VOLUME m³/h

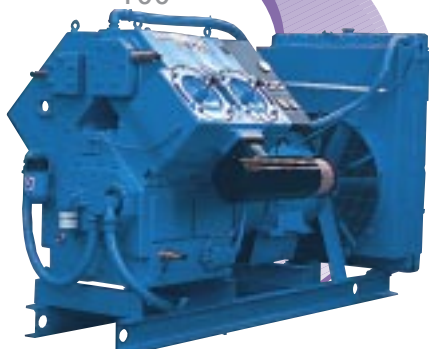
100

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CompAir H5209 2 stage air cooled compressor, suitable for air and gases. One in a range of six models.



CompAir H5236 2 stage, 4 cylinder water cooled compressor, suitable for air and gases. One in a range of three models.



PET H5282 water cooled, non lubricated, air compressor (especially suitable for PET applications). One in a range of four models.

Air cooled
 Water cooled
 PET H5000



CompAir reliability

Designed at CompAir by some of the world's leading experts in high pressure compressor technology, each component is precision engineered to maximise performance, minimise wear and extend trouble free working life.

CompAir valves and cylinders have been perfected over 100 years of continuous development to become the industry standard for reliability.

The compressors, at the heart of every unit, are type tested at the factory and have been run in the field for 1000's of hours. In addition an individual unit factory test ensures total dependability under the most challenging of conditions.

CompAir longevity

The compressors are fabricated under the strictest quality control supervision. We have control of raw material to final product using our own site foundry.

CompAir running efficiency

Minimising down time is equally an integral part of CompAir compressor design.

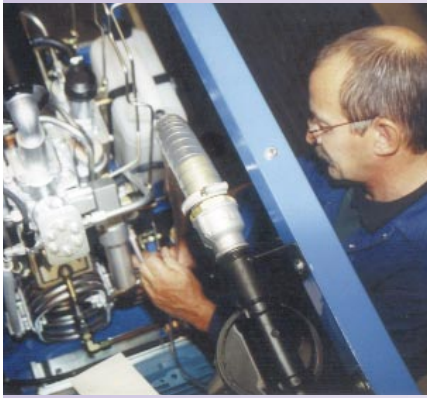
The extended service life built into key wearing parts is a typical example of CompAir's advanced technology maximising running time and running efficiency.

When maintenance is required, easy access to valves, pistons and liners enables servicing to be carried out fast, with minimum disruption.

Remote monitoring

Using modern communication techniques it is possible to monitor all critical operating parameters, including running hours, unloaded hours, pressures and temperatures. Alarms may be initiated on line via a lap top or via digital messaging with a mobile telephone. Analysis of the data may be used for preventative maintenance or to help identify failure modes.





100 years of service that never stops

CompAir is recognised as a world leader in the application and manufacture of compressor systems, dedicated to delivering excellence in innovation, design and quality.

Even more important, is acknowledged leadership in providing post-installation technical service and on-site backup at speed and quality levels that are the cornerstone of our global reputation.

Before the delivery of larger installations, a service engineer will visit the installation site to ensure that the system will commission and operate successfully. A tailor made service and maintenance schedule is established for each of our customers.

CompAir compressors are sold and serviced in over 120 countries throughout the world.



Intelligent Air Technology

Compressed air solutions for every application

Compressors

0.1 - 43m³/min
0.75 - 450kW
up to 414 bar g

Lubricated

Rotary Vane
Single Stage Screw
Speed Regulated Screw

Piston
Portable

Oil-Free

Two Stage Screw
Water-Sealed Screw
Piston
Portable

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



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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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