



# BREATHING AIR SOLUTIONS



INTELLIGENT AIR TECHNOLOGY

## Proven Technology

For well over 50 years, CompAir and MAKO have been trusted breathing air system suppliers to Fire and Safety, Recreational and Professional Dive, Marine, Offshore and Defence industries across the globe.

With an installed base in a diverse range of environments and applications, our Breathing Air products have been proven in the field to provide high quality breathing air you can trust, every time.

## Advanced Modular Design

The MAKO range provides a wide variety of reliable compressor packages and ancillary equipment, with a modular design for maximum flexibility ensuring systems are precisely matched to user requirements.

Compression packages come in a range of configurations:

- **Acoustic enclosures and open frame sets**
- **Standard configurations and custom-built systems**
- **Portable and stationary units**
- **Truck and trailer mounted systems**
- **Air and water cooled compressors**

Ancillary equipment includes the market leading Containment Fill Station, which provides the ultimate in safe and convenient filling, plus Cascade Filling and Air Storage.



LIFE COMES WITH  
ENOUGH RISKS

THE AIR YOU BREATHE  
NEEDN'T BE ONE  
OF THEM.



PROVEN  
PERFORMANCE  
WHEN IT  
MATTERS MOST

Photo courtesy of Hydroweld,  
Sutton Coldfield, UK



## CompAir Reliability

Designed and manufactured by CompAir, each compressor block is precision engineered to maximise performance, minimise wear and extend trouble-free working life.

### Air Cooled

- **Short piston stroke and low piston speed help maximise the intervals between servicing and extend working life**
- **Polymer piston rings reduce wear, increase life and maximise performance**
- **Low compression stage temperatures ensure the coolest possible air delivery temperature**
- **Safety valves are fitted to all stages to ensure complete protection**

### Water Cooled

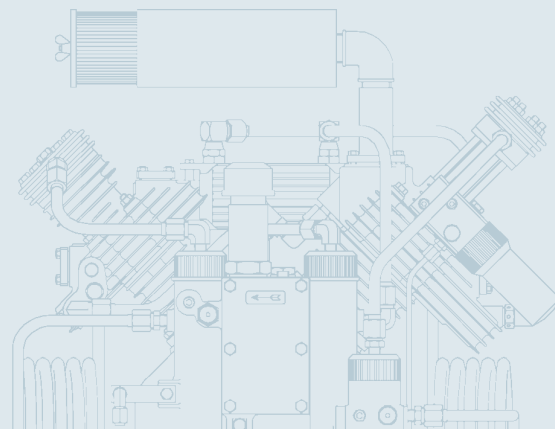
- **A fully balanced V configuration ensures low vibration and low noise whilst eliminating the need for special mounting**
- **Designed for continuous running with an integral water jacket for enhanced cooling efficiency**
- **High efficiency intercoolers and aftercooler including moisture separators on all stages to reduce component wear and extend service intervals**
- **Renowned for their reliability and long operating life**

### Dependable Breathing Air

Our commitment to manufacturing only the highest quality, most reliable breathing air systems has made us a world leader in compression technology.

We've extended this expertise to our MAKO breathing air filtration systems, resulting in totally dependable breathing air, which exceeds most major international standards, including EN 12021 / CGA Grade D & E / NFPA 1500.

- **Multi stage filtration system for exceptional clean, dry air**
- **Filtration manufacturing process uses no adhesives ensuring there are no odours carried over**
- **Low cartridge cost per hour**



**BREATHE EASY WITH  
PROVEN TECHNOLOGY  
AT THE HEART OF  
EVERY UNIT**

# Compressor Packages

## HORIZONTAL BREATHING AIR - HBA

Up to 414 bar g	9.9 - 56.4 m <sup>3</sup> /hr
Up to 6000 psi g	5.8 - 33.2 cfm
	165 - 940 l/min

The HBA open frame unit provides a lower cost breathing air system without sacrificing quality, flexibility or filling capacity.

- **Low profile package**
- **Rugged design**
- **Choice of electric, petrol/gasoline or diesel driven options.**



## AIRCHARGE - AC

Up to 414 bar g	9.9 - 18.9 m <sup>3</sup> /hr
Up to 6000 psi g	5.8 - 11.1 cfm
	165 - 315 l/min

The AC is a compact vertical package designed for low usage customers requiring low sounds levels.

- **Lightweight compact design**
- **Low sound levels**



## BREATHING AIR MODULE - BAM

Up to 414 bar g	9.9 - 56.4 m <sup>3</sup> /hr
Up to 6000 psi g	5.8 - 33.2 cfm
	165 - 940 l/min

The BAM is a high quality breathing air package combining high capacity filling with low sounds levels and a flexible modular design.

- **Components fully enclosed for added safety**
- **Small footprint with easy maintenance access**



## BREATHING AIR CENTRE - BAC

Up to 414 bar g	9.9 - 56.4 m <sup>3</sup> /hr
Up to 6000 psi g	5.8 - 33.2 cfm
	165 - 940 l/min

The BAC is a fully integrated system offering compressor unit, Containment Fill Station and Cascade Filling in one easy-to-install package.

- **Convenient and safe**
- **High capacity filling with low sound levels**



### WATER COOLED PACKAGES

Up to 414 bar g	74 - 144 m <sup>3</sup> /hr
Up to 6000 psi g	44 - 85 cfm
	1233 - 2400 l/min

A variety of water cooled compressor packages are available to meet high capacity requirements.

- Tailor-made to individual requirements
- Designed for continuous duty applications
- Closed circuit water cooling system



### MOBILE SOLUTIONS

Up to 414 bar g	22.3 - 56.4 m <sup>3</sup> /hr
Up to 6000 psi g	13.1 - 33.2 cfm
	372 - 940 l/min

A range of mobile truck and trailer packages are available to meet specific customer requirements.

- Air and water cooled compression packages
- Comprehensive range of controls, storage and filling panel options



### CONTAINMENT FILL STATION - CFS

The CFS is the ultimate in safe and convenient filling, proven to contain the full impact of a cylinder, hose or valve failure.

- Dual sided wall construction
- 1, 2 or 3 cylinder configurations
- SCBA and SCUBA filling options
- NFPA 1901 compliant



### STORAGE AND CASCADE FILLING SYSTEMS

Maximise the output of your breathing air system to cope with unpredictable or peak filling requirements.

- Horizontal or vertical storage racks
- Configurations of 2, 3, 4, 5 or 6 cylinders
- DOT, ASME or CE storage cylinders
- Integral or remote cascade filling systems



## CompAir Reavell

From their state-of-the-art facility in Ipswich, England, CompAir Reavell, home of the CompAir High Pressure Division, designs and manufactures high quality reciprocating piston compressors.

The division moved from the original Reavell factory, established in 1898, to Reavell House in 2005 and enjoys enhanced manufacturing, test and paint facilities, as well as environmentally friendly water and oil recycling systems.



## MAKO

MAKO Compressors is part of the CompAir Group of companies, specialising in Breathing Air systems since 1952.

Located in Florida, USA, MAKO is the market leader for breathing air compressor solutions in North America and is well known throughout Asia and the Middle East.



### QUALITY ASSURED

CompAir Reavell and MAKO are part of the CompAir Group, one of the world's leading compressed air and gas solution companies.

CompAir and MAKO are registered to ISO 9001:2000 Quality Management System by Lloyds Register Quality Assurance and NQA respectively, and conform to the European Pressure Equipment Directive (Module H) where appropriate.

Witness testing and certification by most major accreditation bodies, such as Lloyds Register, DNV and TUV, can be met on request.



# Global Expertise, Local Service



- COMPAIR OFFICE OR DISTRIBUTOR
- COMPAIR MANUFACTURING OR PACKAGING PLANT

## Comprehensive Service Support

While CompAir compressor systems are renowned for their reliability and long operational life it is important to ensure your unit is correctly installed and serviced regularly using genuine CompAir spare parts.

With in-house service engineers and a strong distributor network of CompAir trained engineers in more than 95 countries, CompAir prides itself on offering global expertise and experience with truly local backup and support, including:

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

## TRAINING

CompAir have the ability to undertake training all around the world including customer operator training, and on-going service and maintenance training, either in-house or at the customer's premises.





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

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