



APPLIED COMPRESSION SYSTEMS

"Complete Compressor Packaging Solutions"



**LOW PRESSURE BREATHING AIR
COMPRESSOR PACKAGES**

ABOUT

Designed specifically for the mining, petrochemical, construction and manufacturing industries these self-contained systems provide low pressure breathing air which meets or exceeds OSHA, CSA and NFPA requirements for Grade D breathing air.

Breathing quality air is assured by the use of a Modern Safety Techniques (MST) high efficiency purification system. This system includes an extra fourth filter stage of activated carbon to reduce tastes and odors and offer superior hydrocarbon vapor removal. With a charcoal volume twice to eight times greater than other suppliers our breathing air panels provide superior removal capability for hydrocarbons, tastes and odors.

Replacement filters are economically priced to help lower maintenance costs. A Carbon monoxide (CO) monitor is included as standard equipment.

Carbon monoxide (CO) removal systems are also available as an option.

These packages include all of the components necessary to provide a constant flow of clean air to confined space workers and are conveniently mounted in an easily transportable enclosure or housed in a secure, portable steel sea container.

A discharge manifold with flexible hoses distributes the cleaned and purified air to the users.

Our shop has Class A welding certification, a CSAZ299.3 quality assurance program and ISNet safety compliance.

Each breathing air package is tested under load to make sure it leaves our plant in perfect operating condition. Our breathing air compressors are designed to give more air per horsepower, with minimum maintenance and to operate quietly and reliably year in and year out.

STANDARD FEATURES

- Reliable rotary type supply air compressor
- Air-cooled aftercooler with separate and automatic condensate drain
- Buffer air storage tank
- Field proven MST purification system
- Flow meter
- Carbon monoxide (CO) monitor
- Distribution manifold
- Pressure regulator
- Flexible supply hoses
- Compressed air dryer (Optional)

BENEFITS

Safety supervisors worldwide recognize the benefits of purchasing packaged low-pressure breathing air compressor packages from a company with two generations of compressor packaging experience. Benefits that include:

- **REDUCED CONSTRUCTION COSTS:** Our shop costs are generally much lower than those of field construction.
- **REDUCED INSTALLATION TIMES:** Applied Compression's breathing air compressor modules help clients reduce implementation time and resources by delivering a fully designed assembled and tested solution.
- **SINGLE SOURCE RESPONSIBILITY:** From concept to completion, we provide design, fabrication and testing.
- **GUARANTEED COMPONENT CAPABILITY:** One source for all the major components, ensuring component compatibility and process functionality throughout the entire system.
- **REDUCED LEAD TIME:** Our packages have been pre-designed for quick turnarounds.

WHAT WE OFFER

EXPERIENCE – Our key personnel have over 100 years of combined experience. This experience and our wide range of products allow us to recommend the best technical solution and the most economical approach to your application.

CUSTOM DESIGNED PACKAGES – As a provider of both standard and custom fabricated compressor systems, we have the expertise to design and supply the most cost-effective package for your breathing air compression requirements. Our packages offer a clean, simple design that allows easy access for normal maintenance.

FULLY PACKAGED – Every breathing air compressor package is completely assembled and tested under load to make sure it leaves our plant in perfect operating condition.

ENGINEERED FOR MAXIMUM SAFETY – All packages are manufactured to ASME code as well as all provincial/state electrical code requirements. Pressure vessels are hydrostatically tested for complete user safety and equipped with approved ASME code safety relief valves.

MODULAR DESIGN – Our modular design allows us to select and match components that will provide the best economics for your applications.

CADD DESIGN – We utilize a Computer Aided Drafting Design (CADD) system, so we can provide you with a detailed look at your compressor package before it's manufactured.

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 arrangements to your site.



SPECIFICATIONS

	1 – 2 Person	3 – 4 Person	6 - 8 Person	12 – 16 Person
PURIFIER MODEL	BA020	BA50	BA100	BA200
RATED PURIFIER CAPACITY (SCFM)	20	50	100	200
SUPPLY AIR COMPRESSOR SIZE (HP)	5 – 7 1/2	15 – 20	25 – 30	50 – 60
SUPPLY PRESSURE (PSIG)	100	100	100	100
OPERATING TEMP. RANGE	68 – 150° F	68 – 150° F	68 – 150° F	35 – 150° F
REPLACEMENT FILTER SET	FB020	FB050	FB100	FB200



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