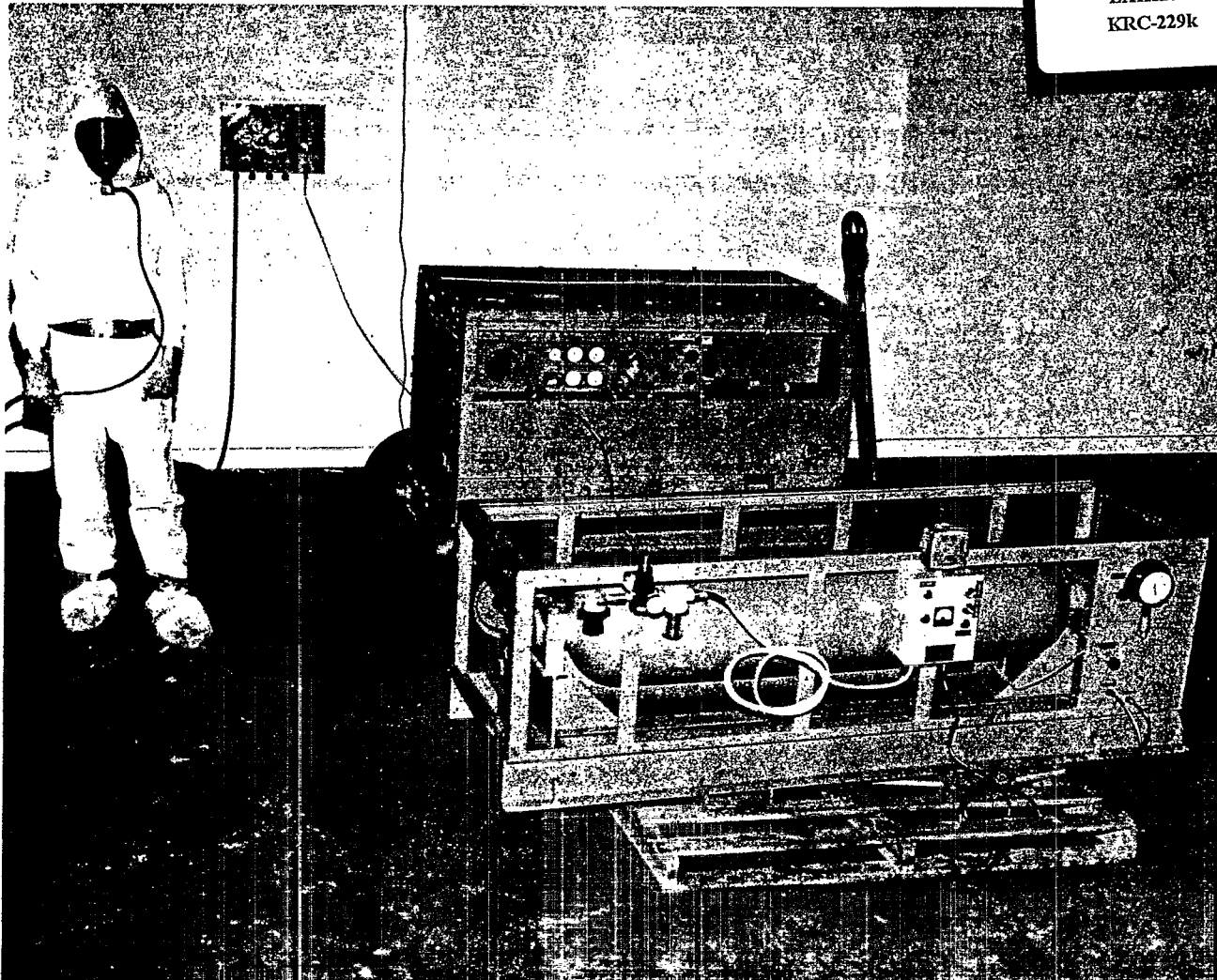




## Type C Supplied Air Breathing System

Complete High-Pressure System

PLAINTIFF'S  
EXHIBIT  
KRC-229k



- Total system; supports crew of up to 16 men.
- Provides Grade-D air & meets all federal standards.
- All required monitors, alarms & purification filters.
- In-line air bank provides hours of reserve/escape time.
- Most efficient cooling system available.
- Pressure-demand face masks.

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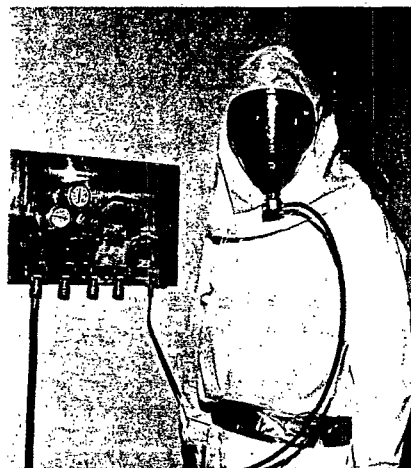
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## Type C Supplied Air Breathing System Complete High-Pressure

There are two types of supplied air breathing systems which can be used to sustain large working crews: a low-pressure system and a high-pressure system. ACTI offers a complete high-pressure system because experience has shown that high-pressure systems provide higher levels of protection, lower operating costs, and greater dependability.

The ACTI high-pressure Type C system includes the compressor, an in-line air bank, manifolds, CO monitor and alarm, filtration systems, high-pressure lines, fittings, hoses and other accessories required for operation. ACTI also offers Willson pressure-demand respirator face masks for use with the system.

The system includes filters required to process air for human consumption to meet grade-D standards. Also included are all necessary pressure gauges on the compressor, the air bank and the manifolds.



Cooling is provided through the process of adiabatic pressure reduction. This means that cooling occurs automatically, and without any additional mechanical means, when high-pressure air is expanded to ambient pressure at the respirator manifold.

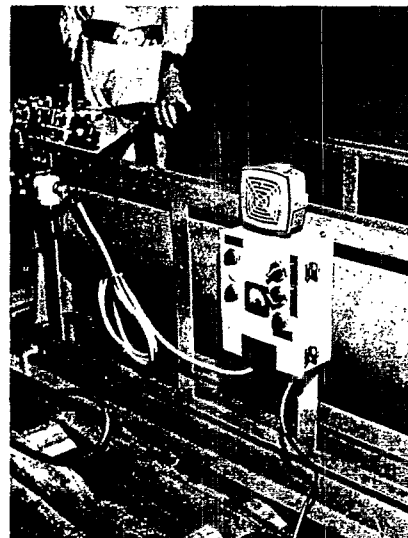
Operating at high pressure eliminates many of the standard worries about compressor malfunction or air contamination. The compressor pumps air through a CO monitor and into an air bank. The actual air provided to workers comes from the stored supply in the air bank. This means that even if the compressor fails or is shut down because oil, water or CO contamination is occurring in the compressor lines, the job site does not have to be evacuated. A crew of up to 16 men can continue to work for hours on the large volumes of air stored at 4,000-to-5,000 psi in the in-line air bank. This extremely large reserve air capacity is what sets high-pressure systems apart from low-pressure systems. Probably

the single greatest disadvantage of traditional low-pressure systems is that they normally can provide only minutes of reserve time and require immediate job site evacuation when compressor problems occur.

Our high-pressure system also allows a contractor to fill an air bank and send just that tank to a small job site. No compressor is required at the job site because there is enough air to run a small crew of three or four for several days. No monitors or alarms are needed because the air has already been processed through all required monitors and alarms when it was originally stored in the tank.

This is the best thought out Type C system we have ever seen, and we feel it is unusually well suited for asbestos abatement work.

ACTI also offers a 90-minute video tape which explains all aspects of high-pressure supplied air systems.



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## The ACTI-AIR Purifier

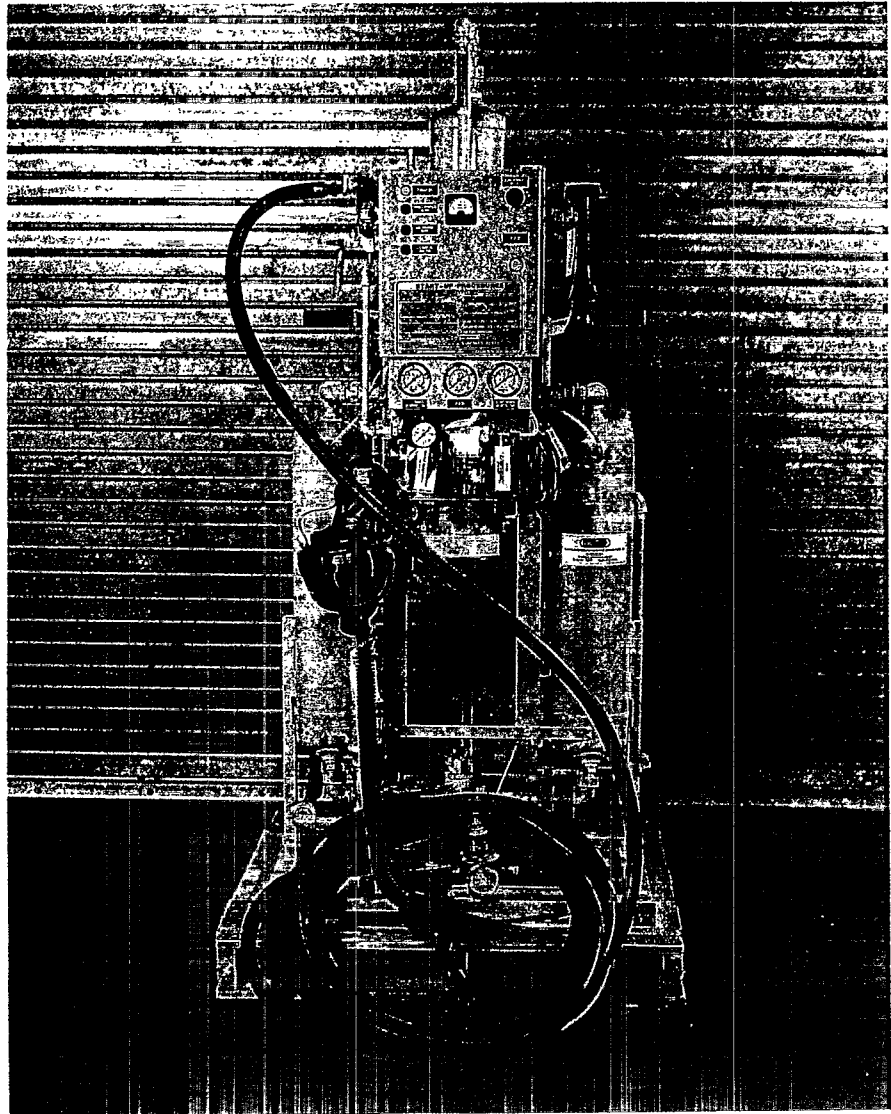
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Complete Air Processing System For

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Low-Pressure, Type C Systems

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- For use with rented, low-pressure compressors.
- Processes compressor air to Grade-D breathing quality.
- Meets all federal standards.
- Filter systems for dust, water & oil vapors, CO, odors, and tastes.
- CO monitor and three-mode alarm system.
- Color indicators warn of filter loading.
- Cut-in controls for standby reserve tanks of escape air.

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# ACTI-AIR Purifier

Breathing Air Systems  
For Low-Pressure Type C

This is the perfect unit to use with the rented compressor of your low-pressure Type C system. The **ACTI-AIR Purifier** represents the state-of-the-art in purifying equipment for breathing air.

This unit processes the air coming from your compressor to grade-D quality as outlined in Compressed Gas Association Bulletin G-7.1.

Air which is collected, compressed and routed through an industrial compressor can be changed in many ways. The air may contain particulate dirt, water vapor, oil vapor, carbon monoxide, odors and other contaminants. All of these represent a health threat to your workers. Particulate matter can affect the function of valves and other mechanisms throughout the system. Excessive moisture is not healthy. Oil vapor can cause lipoid pneumonia. Carbon monoxide, which comes from the ex-

haust of cars, trucks and other combustion engines, is dangerous even in minute amounts. It can cause weakness and disorientation and even death if it contaminates a breathing air system. Unpleasant odors can drastically affect a worker's sense of well-being and productivity.

The **ACTI-AIR Purifier** is designed to process out these contaminants through an ultra-sophisticated system of filters, catalysts and adsorbers.

This is how it works: compressed air exits your rented, industrial compressor and then enters the **ACTI-AIR Purifier** to move through a prefilter that removes oil, liquid water and particulates. Then, it enters a dryer which reduces water vapor. The third stage is a catalyst that converts carbon monoxide to carbon dioxide. The final stage involves a filtration system

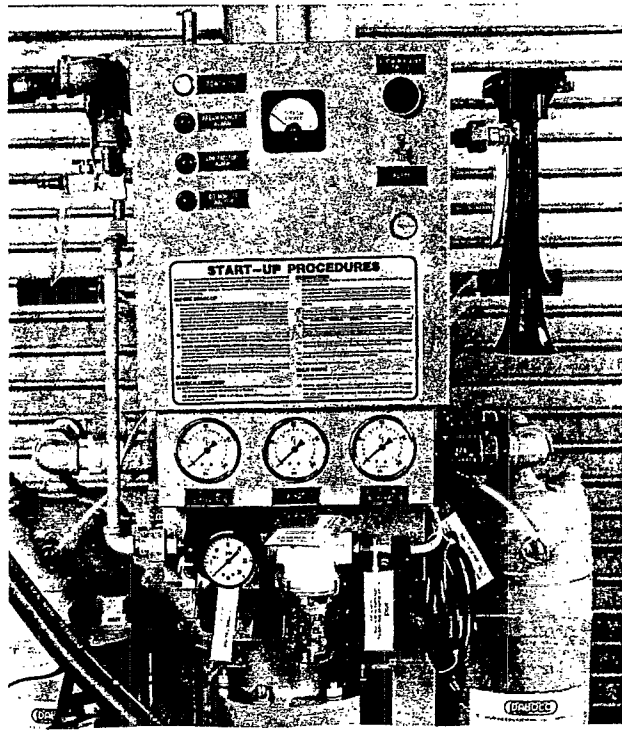
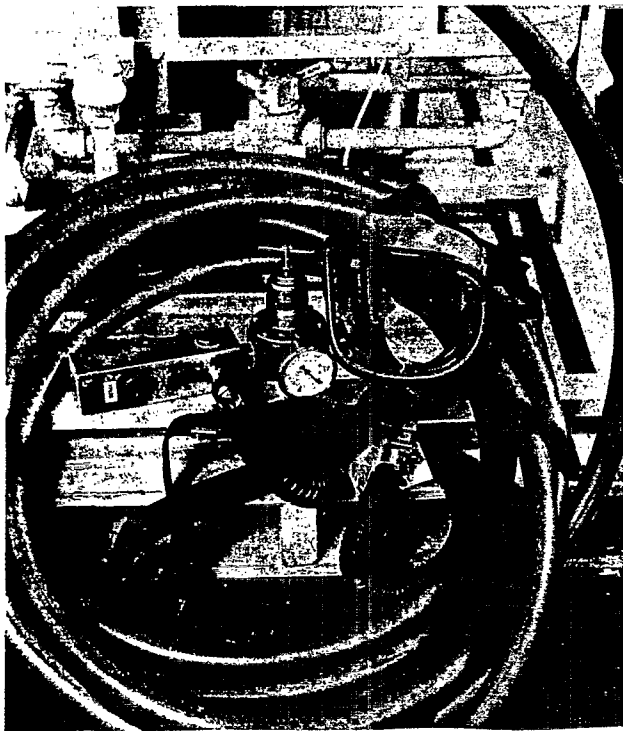
which processes out unacceptable tastes and odors.

The **ACTI-AIR Purifier** features two color-change indicators that assist in maintaining the system.

Because escape time is an important consideration when operating a Type C system, the unit also comes with built-in mechanisms for controlling a standby reserve of bottled breathing air. This reserve control automatically provides a brief supply of air to workers in the event of compressor malfunction or in-line contamination problems.

The **ACTI-AIR Purifier** also includes a continuous CO monitor and an audible/visual alarm system which operates in three modes.

An optional high-pressure pump attachment can also allow the unit to be used to refill self-contained breathing back pack tanks on jobs where SCBU's are appropriate.



Asbestos Control Technology, Inc.

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