



# Welding Respiratory Comfort and Reliability

## High-Altitude PAPR System

Experience the benefits of our new 3M™ Adflo™ Turbo Assembly with High Altitude Compensation. With this version, you can work at altitudes from sea level up to approx. 10,000 ft (3000 meters) with the HE filter and up to approx. 5,000 ft (1500 meters) when using the OV/AG cartridge.

By incorporating the 3M™ Speedglas™ Welding Helmet 9100 MP (multi-protection), the Adflo PAPR system has been brought to a new level, offering five levels of integrated welder protection: head, eye, face, respiratory and hearing (optional) combined into one comfortable system.

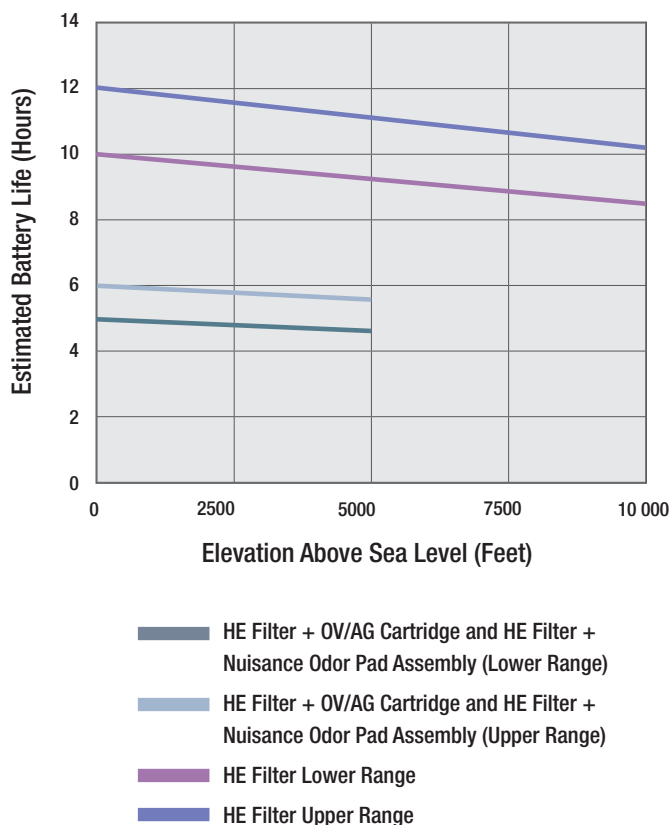
Call your local 3M representative for a hands-on demonstration.



# A Refreshing breeze for more comfortable welding

Now, with new advances in technology and electronics, the Adflo turbo assembly with high altitude compensation may be used at elevations from sea level up to approx. 10,000 feet (3000 meters) when used with HE particulate filter, and elevations up to approx. 5000 feet (1500 meters) when used with HE filter in combination with OV/AG cartridge or nuisance\* odor pad assembly. The new technology in the high altitude model compensates for air flow discrepancies caused by the change in air density at increased elevations.

Based on the need to increase the fan speed at increased elevations to maintain the minimum design airflow, users of the new Adflo high altitude turbo assembly may experience a slight reduction in overall run time. Typical decreases in run time\*\* will be approx. 5% for every 3300 feet (1000 meters) of increased elevation above sea level. The chart to the right represents the estimated run time for an Adflo battery at elevated locations\*\*\*.



\* Nuisance odor refers to concentrations of organic vapors not exceeding the OSHA permissible exposure limit (PEL) or applicable occupational exposure limits, whichever is lower.

\*\* Times are based on new battery, filter, cartridge or nuisance odor pad assembly.

\*\*\* The Adflo turbo assembly with high altitude compensation is not for use at locations below sea level.

These welding and respiratory protection systems help protect against certain welding hazards, airborne contaminants, and with some models provide limited head protection. These systems must be used only by qualified persons trained in their use and maintenance and only in strict accordance with the User Instructions which accompanies each product, and all applicable local regulations. **Failure to comply with these instructions could result in serious bodily injury, sickness, or death.** For proper use, see supervisor, *User Instructions*, or call 3M in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

**IMPORTANT:** ANSI Z87.1 compliant safety glasses must be worn with any welding helmet. Welding activities may produce severe respiratory and noise hazards. Workplace hazards should be evaluated by a safety professional and appropriate workplace/personal control measures implemented before welding with this equipment.

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## For More Information

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