

HURRICANE HOOD™ Category-2 (CAT-2)

Got oxygen?

are you tired of

SWEATING to death?



Provides OVER 33 CFM of filtered air flow. This is MORE THAN 5 TIMES the amount of air from any powered air visor on the market!



CAT-2 is a very compact and lightweight (<2 lbs.) back pack unit. It is a modular design and can be configured as a CAT-3 for limited access areas with the purchase of the CAT-3 Halo Band.



A very thin (3/4" Thick) power belt supplies power to the system for 3 - 6 Hours depending on options. The power belt can be worn inside or outside protective clothing. (Poly sleeving not shown)



500% More Air!

500% Cooler!

The **HURRICANE HOOD**

BLOWS AWAY

the competition!

Radium Incorporated (Radium) set out on a mission to develop the ultimate personal breathing and cooling system for the nuclear power industry worker. For decades, nuclear workers had no choice but to use respiratory protection products that made it difficult to breathe, were obstructive to use, and created an extremely hot and stressful environment to work. The Hurricane Hood™ line of products is the industry solution for a problem that has lingered long enough.

Radium's experience in steam generator nozzle dam services played an important role in the development of the Hurricane Hood CAT-2. Our design goal was to develop a modular, lightweight, and comfortable system that provided ample air flow and could be used for extended period of times with no degradation of blower performance. The Hurricane Hood CAT-2 is the solution for applications ranging from steam generator support personnel to cavity decontamination crews.

HURRICANE HOOD™ CAT-2

Radium's patent pending design utilizes a bubble hood which is preferred by most nuclear workers for comfort as the basis for the design. Next, Radium's engineers beefed-up and separated the components of a typical Powered Air Purifying Respirator (PAPR) because a standard PAPR was too heavy, bulky, and worn on the outside of protective clothing and could easily become contaminated. Separating these components offers several advantages.



HURRICANE HOOD CAT-2 ADVANTAGES >>>>>

- > Eliminated all hoses! – removes a serious safety hazard of crimping and cutting hoses
- > High performance lightweight blower with optimized air flow path
- > Everything from headsets to hard hats can be worn under the hood
- > Modular design that can be easily configured as a CAT-3 with the purchase of the Halo Band for limited access areas such as steam generator manways
- > Powered by a very thin (only 3/4" thick!) adjustable power belt configured with 2 banks of 12 volt batteries to supply power to the hood for up to 6 hours.
- > Optional 3rd 12 volt battery bank for additional equipment or extended use
- > Electrical connectors have a locking mechanism to prevent accidental disconnection
- > The power belt buckle is made from heavy duty thermal plastic that requires a double action to disconnect
- > The power belt can be sleeved in poly sleeving and worn on the outside of your outer protective clothing (PCs) to allow for quick in the field swaps without removing the user's outer layer PCs
- > Very low cost of ownership. Does NOT require air compressors, air filter banks, air lines, air support and monitoring personnel, piping and plumbing, and all of the maintenance that comes with a breathing air system.

Contact Radium today for your Hurricane Hoods and start to reap the rewards of a nuclear workforce that is more efficient and less likely to make mistakes because they are in a less stressful and safer personal environment.

Hurricane Hood CAT-2 vs. Trend® Airshield

Hurricane Hood™ CAT-2	Trend® Airshield
Designed for use in the Nuclear Power Industry for activities such as steam generator maintenance, cavity decontamination operations, and control rod drive maintenance.	Per their own documentation, it is designed to protect individuals from dust in Woodworking, Pottery, Dental Laboratories and other non-industrial environments.
Provides over 33 CFM of filtered air which is more than 5 times the amount of air that the Airshield provides and over 5 times the amount of air NIOSH approves (6 CFM) for a Powered Air Purifying Respirator (PAPR) <ul style="list-style-type: none"> • More air to breathe • More air to cool the user 	Only provides 6.36 CFM with a clean filter and fully charged battery. The 3M Power Visor only provides 4.6 CFM. Airshield manual warns that "At very high work rates, the pressure in powered respirators may become negative at peak inhalation."
Uses a Bubble Hood which allows for clear unobstructed view.	Very limited visibility and restricted head movement.
Very low profile battery belt is easily replaceable in a contaminated area if it is worn externally on your outer protective clothing.	Battery replacement requires disassembly of the Airshield which means the individual will need to exit the RCZ and undress to replace the battery.
Supplied batteries take 15 minutes to recharge.	Supplied batteries take 14 hours to recharge.
Can be configured as a CAT-3 model with Halo Band.	One trick pony!
Can be provided with optional wireless camera and communications.	No optional equipment.
Virtually anything can be worn on the user's head under the hood.	Airshield is worn on the head and limits other equipment to fit properly.
Hood provides 100% coverage of the head to prevent the user from being contaminated.	Design only provides partial (front) containment of the head area.

Trend® is a registered trademark of Trend Machinery & Cutting Tools Ltd.