



Reinventing the Powered Air Purifying Respirator in Nuclear

Trip McGarity of Frham Safety Products, Inc.
Ronnie Dunne of Gentex Corporation



&



are partnering with



PureFlo3000

Powered Air Purifying Respirator



Unique ALL-IN-ONE respiratory, head, face, eye, and hearing protection solution

The PureFlo3000 provides a breakthrough in head borne weight, comfort and durability to industrial head protection.

The modular design easily supports multiple configurations for various levels of protection as well as a wide variety of accessories.

The PureFlo 3000 is offered with nuclear power industry specific single-use accessories made from OREX™ / PolyZolv™.

Disposal is fast, safe and convenient. Used face seals, respirator and slip-over hoods are transported to a processing facility after use where the final resulting effluent is carbon dioxide and water. Simple, effective, and eco-friendly.



PureFlo3000

Powered Air Purifying Respirator



The unique head mounted design eliminates the need for a belt worn blower and connecting hose, which represents a snag hazard as well as simplifying decontamination and cleaning, saving both time and cost between use cycles.

PureFlo3000 is designed to meet the following standards:

- NIOSH 42 CFR Part 84 - Respiratory Protection
- OSHA APF25 for face seal versions / APF1000 for respiratory hood version
- ANSI/ISEA Z89.1:2014 Type 1 Class G Head Protection (hard hat version)
- ANSI/ISEA Z87.1+:2015 Eye and Face Protection (visor version)
- ANSI S12.6-2010 (choice of NRR22, NRR25 or NRR28) available as an accessory (hearing protection)
- HEPA filter cartridge – quick and easy to change out
- Pre-filter available
- Battery life 4-5 hours
- Battery charge time – under 2 hours (two batteries and a charge station supplied with every unit)

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PureFlo3000 hard hat and visor configuration shown with a single-use OREX™ face seal



Single-use OREX™ face seal

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PureFlo3000 single-use
OREX™ slip-over hood
front



PureFlo3000 single-use
OREX™ slip-over hood
back showing the feed
thru for the filter

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PureFlo3000 with single-use
OREX™ face seal and slip-over



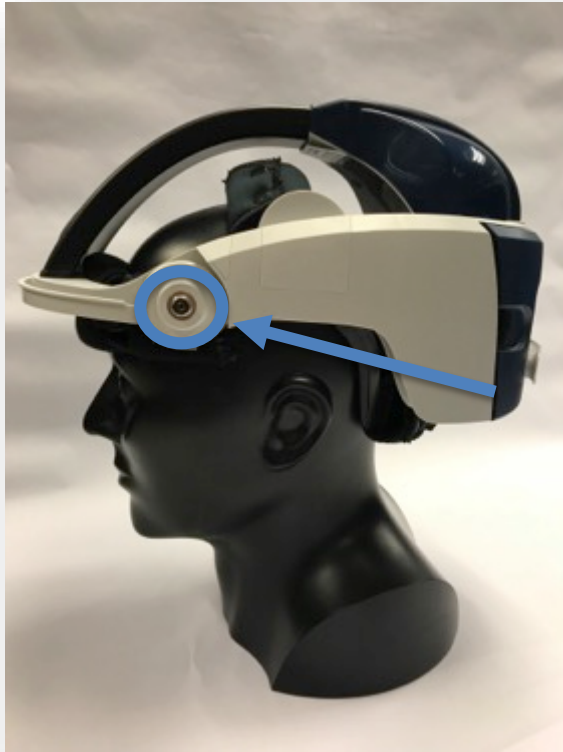
PureFlo3000 single-use
OREX™ face seal and slip-
over hood

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PureFlo3000 skeletal frame shown



Side view of the unit
Press stud for
attaching hoods



Rear view of the unit showing the
filter air intake and hood feed thru



HEPA
filter cartridge

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PureFlo3000 single-use OREX™ Respiratory Hood for skeletal frame shown



Hoods attach to the PureFlo3000 via two press studs in order for workers to turn with the unit when he turns his head.

The respiratory hood has an adjustable draw string in the bib of the unit

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PureFlo3000 skeletal frame with a single use OREX™ Respirator Hood



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PureFlo3000 skeletal frame with a single use OREX™ Respirator Hood



Rear view of the unit showing the filter air intake and hood feed thru

TCO Benefits using PureFlo3000

- Ease in operation, maneuverability and dress; less time needed to don and doff
- No fit testing and simplified training
- Increased comfort thru airflow and reduced weight - Weighs 1/3 less than a PureFlo ESM PAPR
- Reduced cleaning time - Concept includes reduced decon and as well as mechanical cleaning and disinfection of the unit in a professional commercial dishwasher
- Simplified maintenance and maximized battery and filter use
- Improved worker comfort and hygiene leads to higher productivity
- Prevents accidents which results in less time lost – Head and Face Protection
- Battery charges in under 2hrs. – operates with 2 batteries
- Improved safety - No hoses, No belts (no down weight / pull on the head top from the hose – reduced fatigue; no snag hazard)
- Cost savings – Hardware alone is **20-25% less** than an industry standard waist mounted PAPR
- Nuclear industry specific accessories: OREX face seal, OREX slip-over hood, OREX respiratory hood (with a drawstring)

Benefits to Facilities who use OREX™ / PolyZolv™



- Reduced waste volume and cost associated with disposal of PAPR accessories
- Reduce decon burden, operating and capital cost
- OREX™/PolyZolv™ is much easier to handle and manage than conventional materials
- Improved worker comfort and hygiene

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**PureFlo3000 coming soon ...
Available late 2018**

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Any Questions?

www.pureflo.gentecorp.com

www.frhamsafety.com

www.gri-eti.com