National Carbon Monoxide Awareness Asso<mark>ciation</mark>



# **Protect the Protectors**

#### What is the Protect the Protectors Campaign?

As part of our 3-year strategy CO Safety strategy, MI Prevention and the National Carbon Monoxide Awareness Association have launched this campaign to ensure all Michigan firefighters have the proper CO Safety equipment. Our partners CrowCon and MicroDot® are generously offering this equipment at deeply discounted pricing and new leasing options.

# Why is CO Safety Equipment Important?

Firefighters need CO Safety equipment to protect themselves and their communities from the negative health effects of CO exposure:

- Numerous studies have demonstrated adverse health effects associated with CO exposure, including heart failure, stroke, cognitive and motor impairments, sensory-motor deficits, emotional changes, cognitive deficits, spontaneous abortion, and fetal death.
- Firefighters may be exposed to CO during daily runs and also overhaul, if respiratory gear is removed.
- The International Association of Fire Chiefs, strongly warn of health hazards from occupational exposure to CO among firefighters.
- Over half of firefighter fatalities are from line-of-duty sudden cardiac events; given that CO exposure is linked to heart disease, firefighters are at significant risk of cardiac injury caused or exacerbated by CO.

#### Sources:

- 1. https://www.iaff.org/blog/the-silent-killer/
- 2. Takahashi, F. (2019). Development of Real-Time Particulate and Toxic-Gas Sensors for Firefighter Health and Safety. Case Western Reserve University.

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