

# C420 PAPR Powered Air Purifying Respirator

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QUESTIONS AND ANSWERS

# QA



**tyco** / **SCOTT**<sup>®</sup>  
HEALTH AND SAFETY

**Q. What is a Powered Air Purifying Respirator (PAPR) ?**

- A. OSHA defines PAPR as:  
An Air-Purifying Respirator that uses a blower to force the ambient atmosphere through air-purifying elements (filters/cartridges) to the inlet cover (facepiece).

**Q. Why use Powered Air ?**

- A. PAPR's make sense when extended wear times are necessary for APR's (Air-Purifying Respirators) in NON-IDLH environments. PAPR virtually eliminates breathing resistance thus reducing worker fatigue. In addition, unlike standard APR respirators, the PAPR creates "A FANNING EFFECT" that keeps the facepiece from fogging and the wearer more comfortable.

**Q. Can PAPR'S be worn to enter an IDLH environment?**

- A. NO. PAPR's are Air Purifying Respirators and are not approved for use in IDLH Environments. Only SCBA's or Combination SCBA /airline respirators can be used.

**Q. Are PAPR'S positive pressure respirators ?**

- A. Yes. They maintain a slight positive pressure through a continuous flow of filtered ambient air.

PAPR's are not pressure demand positive pressure systems like the Scott Air-Pak® SCBAs.

**Q. Why does the C420 PAPR make sense for first responders?**

- A. The C420 is designed to support first responders when they need Level C & D respiratory protection in response to Terrorist Attacks or in situations where Bloodborne Pathogens are present (chemical, biological or radiological agents). The PAPR's make sense where extended wear times of Air Purifying respirators are necessary.

Where decontamination is necessary, the C420 PAPR is ideal.

**Q. Is the C420 PAPR designed for use only by the first responders?**

- A. No. Industrial users will also appreciate the lightweight, comfortable design. The MPC Plus cartridge protects against a wide range of industrial gases and has HEPA protection.

The MPC Plus cartridge on a PAPR will be of interest to the chemical industry, pulp and paper industry, and oil and gas industry.

**Q. Is the Scott C420 NIOSH approved?**

- A. Yes. The C420 carries NIOSH approval when used with the Enforcement and MPC PLUS cartridges.

**Q. What are the battery options for the C420 PAPR?**

- A. The LiSO<sub>2</sub> battery is a one time use battery with a ten year shelf life and is NIOSH approved with the C420. A NiMH rechargeable battery is also available for training purposes only.

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