### TECHNICAL DATA

**NIOSH PC50 MASK ASSEMBLY**

<table>
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<tr>
<th>Description Order Part Number</th>
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<tr>
<td>PC50 Facepiece Assembly, Large 70501/632</td>
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**CE PC50 MASK ASSEMBLY**

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- **Mask Protection Factor**: 2500*
- **Weight (excluding filter)**: 550 grams
- **Inhalation Resistance without Filter**:
  - 30 l/min: 0.5 mbar
  - 90 l/min: 1.5 mbar
  - 160 l/min: 3.5 mbar
- **Exhalation Resistance**:
  - 85 l/min (with CTF12 filter): 1.9 mbar

**FILTRATION**

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<tr>
<td>CSCF50 Riot Control All particulate hazards including dust, mist, fume, bacteria and virus, plus riot agents CS (meets 8 hour NIOSH test standards) and CN (less than 1 hour NIOSH test standards) 72601/71/4</td>
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<tr>
<td>CTCF50 Riot Control Removal of aerosols, particulate matter, smoke, fumes and vapors. Specifically designed for removal of tear gases including CS, CN and OC pepper spray. 72606/3</td>
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- **Field of View**: Visual Field Score >90%
- **Sizes**: Accommodates 95% of female/male population
  - Small
  - Medium
  - Large
- **Donning Time**: Within 9 seconds
- **Interface with PPE**: Integrates with operational clothing, personal issued items and riot helmets

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**PC50 certified to NIOSH 42 CFR 84, *Protection Factor of 2500 measured independently by Avon Protection Systems, Inc.**

**PC50 carries an article 10 type-examination approval demonstrating compliance with the PPE Regulation 2016/425/EU.**

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**GR12560-02 Global PC50 Brochure**

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**AIR PURIFYING RESPIRATOR**

**PC50™**

**THE NEW GENERATION OF PROTECTIVE MASK**

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**www.avon-protection.com**
The Avon PC50 is based off the widely deployed C50™ and is designed and approved for use as a Non-CBRN respiratory device, providing protection in dangerous and contaminated environments, against certain solid and liquid respirable particles, gases, vapors and splashed of liquid chemicals.

The PC50 was specifically developed for the targeted user groups that demand a robust, field proven, competitively priced military pedigree product that meets their operational needs.

**IDEAL FOR**
- Corrections Officers
- Riot Control
- Border Patrol
- Plant Security
- Non- CBRN requirements

**KEY FEATURES**
- Downward exhalation cover that prevents exhaled moist air from fogging helmet visors.
- Six point, easy to adjust head harness that is comfortable to wearer over extended periods
- Low profile design providing excellent integration with other protective equipment
- Mask specifically designed for intended user groups

**UNIQUE TECHNOLOGY**
- Panaoramic visor design gives excellent field of vision and wearer recognition while enhancing compatibility with weapon sights
- Low inhalation resistance

Image shown is a PC50 with optional EZAir which is not a NIOSH approved configuration.
The Avon PC50 is based off the widely deployed C50™ and is designed and approved for use as a Non-CBRN respiratory device, providing protection in dangerous and contaminated environments, against certain solid and liquid respirable particles, gases, vapors and splashed liquid chemicals.

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**The New Generation of Protective Mask**

- **Ideal for**
  - Corrections Officers
  - Riot Control
  - Border Patrol
  - Plant Security

**Non-CBRN Requirements**

The men and women who rely on our products have a proven dedication – and so does Avon Protection Systems. For over 90 years, we have been the driving force behind the development of innovative, personal respiratory protective products and safety devices for the military, law enforcement, fire and rescue and industrial workers worldwide. Today we are widely recognized as the world leader in the design, development and manufacture of these products.

The PC50 is the next generation of protective mask. It is available in three sizes, with either left or right hand 40mm canister mounts that accept traditional or conformal filters. The standard communication port allows the ability to integrate with existing radios. The PC50 may be fitted with a vision correction system and a variety of outserts for specific operational situations. This product is designed for the lowest cost of ownership and maximum reliability.

**Key Features**

- Fewer replacement parts means lower total cost of ownership
- Multiple, unique outserts that increases ballistic protection and additional scratch resistance
- Left/right hand filter mounts provides easy configuration for left/right wearers
- Downward exhalation cover that prevents exhaled moist air from fogging helmet visors
- Six point, easy to adjust head harness that is comfortable to wearer over extended periods
- Low profile design providing excellent integration with other protective equipment
- Mask specifically designed for intended user groups
- Fewer replacement parts means lower total cost of ownership
- Multiple, unique outserts that increases ballistic protection and additional scratch resistance
- Left/right hand filter mounts provides easy configuration for left/right wearers
- Accepts traditional and conformal filters
- Field proven design
- Standard communication port

The PC50 is approved for use with the CTCF50 Canister providing protection against CS/CN agents in both vapor and aerosol form and particulate matter.

**Unique Technology**

- Panoramic visor design gives excellent field of vision and wearer recognition while enhancing compatibility with weapon sights
- Low inhalation resistance
- Accepts traditional and conformal filters
- Field proven design
- Standard communication port

Type-examination approval: PPE Regulation 2016/425/EU - Module B: Certificate CE 684840.
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