



PC50TM

ENTRY LEVEL, NON-CBRN SOLUTION

AIR PURIFYING RESPIRATOR

AVON
PROTECTION

PC50™

ENTRY LEVEL, NON-CBRN SOLUTION



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
- 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

UNIQUE TECHNOLOGY

- Panaoramic 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

Image shown is a PC50 with optional EZAir which is not a NIOSH approved configuration for the PC50.

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.



TC-14G-0316

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.



The PC50 carries an Article 10 type-examination approval demonstrating compliance with the PPE Directive 89/686/EC.

PC50™ TECHNICAL DATA

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
Light Transmission	
Luminous	>90%

Field of View	
Visual Field Score	>95
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

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 Directive 89/686/EC.

NIOSH PC50 MASK ASSEMBLY

Description	Order Part Number
PC50 Facepiece Assembly, Large	70501/632
PC50 Facepiece Assembly, Medium	70501/633
PC50 Facepiece Assembly, Small	70501/634

CE PC50 MASK ASSEMBLY

Description	Order Part Number
PC50 Facepiece Assembly, Large	70501/698/1
PC50 Facepiece Assembly, Medium	70501/698/2
PC50 Facepiece Assembly, Small	70501/698/3

FILTRATION

Filter	Classification	Application	Order Part Number
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 (< 1 hour NIOSH test standards)	72601/71/4
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

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