



## >>> RESPIRATORY PROTECTION

# LAST CHANCE RESCUE FILTER®

**Once attached, it will provide up to 15 minutes of respiratory protection to escape from contaminated air.**

The Last Chance Rescue Filter is an air purifying escape respirator designed to attach to a Sperian® facepiece in a matter of seconds. Should the user's SCBA run out of air, the attached Last Chance Rescue Filter offers up to 15 minutes of emergency respiratory protection against various toxic gases so that the user can safely escape.

The canister filters particulates as well as toxic fire gases such as hydrogen cyanide, acrolein, and hydrogen chloride and converts carbon monoxide to non-toxic carbon dioxide. It offers extremely low breathing resistance and will continue to be effective even after exposure to water.

The Last Chance Rescue Filter employs a three-stage purifying system to remove particulates and harmful toxins from the ambient air.

There is also a training canister version of the Last Chance Rescue Filter to train firefighters on the proper use of the device.

A Nomex® carrying pouch is included that allows firefighters to carry the Last Chance Rescue Filter on their SCBA or in a pocket in their turnout gear.



# LAST CHANCE RESCUE FILTER®

## Technical Specifications

Description	Feature
Canister	Injection-molded, impact- and heat-resistant polycarbonate. Extremely durable, light and compact. Easy to carry and easy to store; requires no maintenance.
Adapter	Self-locating, identical to the Sperian second stage Air Klic™ fastening system, built into the device to allow easy one-handed attachment.
Filtration	Three-stage filtration platform: Stage One – An N95 pleated fiber filter captures smoke particulates and traps 95% of all particles 0.5 microns and larger. Stage Two – Once particulates are removed, the toxic gases enter an activated carbon bed. Through the process of absorption and reaction, most of the harmful gases, with the exception of CO, have been filtered. Stage Three – The air containing CO passes through a granular bed of manganese dioxide/copper dioxide (hopcalite) that converts CO to non-toxic CO <sub>2</sub> . The filtered air is now pulled up through the intake valve and into the SCBA facepiece.
Filter Performance	The Last Chance Rescue Filter provides up to 15 minutes of protection against exposure to toxic gases. Longer time durations can be achieved against less severe environments.
Size	The size of the Last Chance Rescue Filter is 3.25" diameter and 5.5" tall. The product is 4.5" diameter and sits 6.5" tall in its packaged configuration.
Weight	The Last Chance Rescue Filter weighs only 7 ounces.
Packaging	The packaging consists of an inner moisture-resistant foil barrier pouch and an outer protective Nomex® carrying pouch.
Shelf Life	5-year, 6-month shelf life. The shelf life is maintained if the unit remains vacuum-packed in the foil barrier pouch. If the Last Chance Rescue Filter loses vacuum or is removed from the barrier pouch, the service life of 15 minutes begins.

## Ordering Information

Part #	Description
978715	Last Chance Rescue Filter in Pouch
974161	Training Unit
978707	Replacement Carrying Pouch



## The Last Chance Rescue Filter assembly has been tested against the following toxic gases, as specified by EN 403

Challenge Gas	Concentration	Allowable Breakthrough per EN 403	IDLH Levels	Actual Breakthrough
Carbon Monoxide*	10,000 ppm	200 ppm**	1200 ppm	<30 ppm** (24 min)
Hydrogen Cyanide	400 ppm	10 ppm	50 ppm	<10 ppm (60 min)
Hydrogen Chloride	1000 ppm	5 ppm	50 ppm	<5 ppm (170 min)
Acrolein (Propenal)	100 ppm	0.5 ppm	5 ppm	<0.5 ppm (50 min)

Test data represent laboratory testing of Last Chance Rescue Filter conducted at AT Labs, a unit of Assay Technologies, Pleasanton, CA.

Gas Conditions – Air Flow: 30 lpm constant flow; Temperature: 208°C; Relative Humidity: 70%

\*Gas Conditions – Air Flow: 30 lpm constant flow; Temperature: 258°C; Relative Humidity: 90%

\*\*Time-weighted average

*It is not possible to guarantee that the Last Chance Rescue Filter will remove all contaminants from any particular fire. The Last Chance Rescue Filter does not provide oxygen and should not be used in oxygen-deficient environments.*

**For ordering and technical assistance, call 800.821.7236 • [www.sperianfire.com](http://www.sperianfire.com)**

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SPR.210 2/09