



SCAPE[®] CO/CBRN³⁰

THE ONLY NIOSH-APPROVED
AIR-PURIFYING CBRN ESCAPE
RESPIRATOR WITH A POWERED
VENTILATION SYSTEM



*YOUR SAFETY
IS OUR PRIORITY*

SCAPE® CO/CBRN³⁰

The only NIOSH-approved 30-minute Air-Purifying Escape Respirator for CO (Carbon Monoxide) and CBRN



When the safety of your coworkers depends upon your knowledge and expertise, you want a solid tradition of proven protection on your side.

In the event of a fire or other emergency, there's no time for confusion. Simply remove the **SCape®** mask from its protective container and slip the self-sealing neck dam over the head. The positive-flow ventilation system automatically activates and its clear hood allows the user to perform a wide range of critical tasks, such as using a cell phone or other communication device. **SCape®** does all of the work and allows you to take control of the situation.

Trusted for protecting thousands on the battlefield and astronauts in space, ILC Dover continues to lead the way in personal protection for hostile environments.

QUICK & EASY TO DON



NIOSH-verified performance against carbon monoxide, plus:

SCape® CO/CBRN30³⁰ System Level Agent (SMARTMAN)

Test Agent	Challenge Concentration	Service Time
Mustard (HD) Vapor	50 mg/m ³	>30
Mustard (HD) Liquid	0.43-0.86 ml	>30
Sarin (GB) Vapor	210 mg/m ³	>30

SCape® CO/CBRN³⁰ Chemical Test Agents (Filter Gas Life)

Test Agent	Challenge Concentration (ppm) (64 lpm at both 25% & 80% RH)	Allowable Breakthrough (ppm)	Service Time (min)
Ammonia (NH ₃)	1250	25	>30
Cyanogen Chloride (CNCl)	150	2	>30
Cyclohexane (C ₆ H ₁₂)	1300	10	>30
Formaldehyde (CH ₂ O)	250	10	>30
Hydrogen Cyanide (HCN)	470	10	>30
Hydrogen Sulfide (H ₂ S)	500/1500	30	>30
Nitrogen Dioxide (NO ₂)	100	1	>30
Phosgene (COCl ₂)	125	1.25	>30
Phosphine (PH ₃)	150	0.5	>30
Sulfur Dioxide (SO ₂)	750	5	>30

*1500 ppm supplemental testing conducted on SCape® CO/CBRN at AT labs.

Safely and quickly maneuver out of a dangerous situation.

- **Integral Blower with Automatic Actuation** – dramatically improves protection levels and provides stress free breathing for all wearer fitness levels
- **Panoramic Field of View** – aids safe escape
- **30 Minutes of Protection** – against chemical warfare agents, toxic industrial chemicals, carbon monoxide and biologics
- **No Nosecup or Mouthbit** – eases communication and user recognition
- **Single Size** – reduces logistics burden



Supplemental Chemical Testing

Test Agent	Challenge Concentration (ppm)	Allowable Breakthrough (ppm)	Service Time (min)
Acetic Acid [CH ₃ COOH]	1000	5	>30
Acrolein [C ₃ H ₄ O]	100	1	>30
Acrylonitrile [C ₃ H ₃ N]	1000	10	>30
Benzene [C ₆ H ₆]	1000	1	>30
Boron Trifluoride [BF ₃]	100	5	>30
Chlorine [Cl ₂]	1000	5	>30
Chlorine Dioxide [ClO ₂]	1000	2	>30
Fluorine [F ₂]	100	5	>30
Hexane [C ₆ H ₁₄]	2000	10	>30
Hydrogen Chloride [HCl]	500	5	>30
Hydrogen Fluoride [HF]	70	3	>30
Nitric Acid [HNO ₃]	100	2	>30
Toluene [C ₆ H ₅ CH ₃]	1000	10	>30

SCape® CO/CBRN³⁰ Carbon Monoxide (CO) Penetration Performance

CO CHALLENGE CONCENTRATION	MAXIMUM ALLOWANCE PEAK EXCURSION (DETECTED CO LEVELS IN PARTS PER MILLION) AT 30 MINUTE IDENTIFIED SERVICE LIFE DURATION	RESULTING MAXIMUM PEAK EXCURSION (DETECTED CO LEVELS IN PPM)
3600 ppm	500 ppm	<200ppm
CO CHALLENGE CONCENTRATION	MAXIMUM ALLOWABLE CONCENTRATION TIME (CT) (PPM-MINUTES) FOR 30 MINUTE IDENTIFIED SERVICE LIFE DURATION**	RESULTING CONCENTRATION TIME (CT) (PPM-MINUTES) AT 30 MINUTES
3600 ppm	12,075	<2000

BEYOND BOUNDARIES™

Innovators at our core, we develop engineered flexible protective solutions that improve efficiency while safeguarding people, product, and infrastructure in hazardous conditions.

ILC Dover is a world-leader in the innovative design and production of solutions for biopharmaceutical, pharmaceutical, medical device markets as well as a leading supplier for the (aero)space industries. Our customers will attest to our relentless dedication to high value products, advanced technology, and responsive service, as our visionary solutions have improved efficiency while safeguarding people, product, and infrastructure in hazardous conditions through flexible protective solutions since 1947.



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