



SCOTT™
Fire & Safety



Dependable Supplied-Air Respirators for hazardous environments.

Your interactive Guide for selecting a European Standards
Certified (EN) 3M™ Scott™ Supplied-Air Respirator.

Enter

A Global Leader in Atmosphere-Supplying Respiratory Solutions

From identifying hazards to providing education and training, we can help get your job done safely.



Mining, Oil & Gas



Fire & Rescue



Energy & Utilities



Transportation



Defence & Law Enforcement



Construction



Heavy Manufacturing



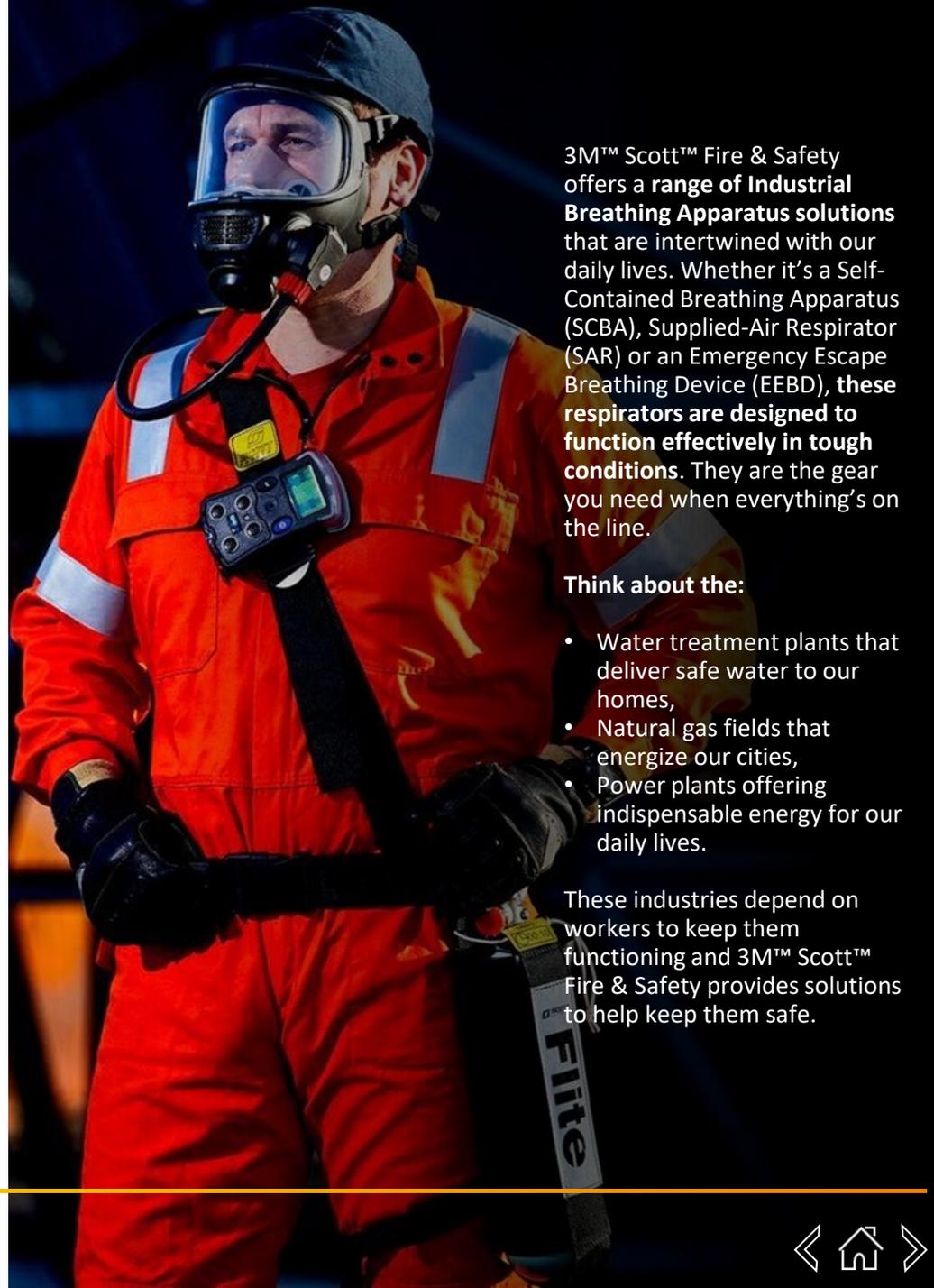
Food, Beverage & Agriculture



Chemical & Pharmaceutical



Healthcare



3M™ Scott™ Fire & Safety offers a **range of Industrial Breathing Apparatus solutions** that are intertwined with our daily lives. Whether it's a Self-Contained Breathing Apparatus (SCBA), Supplied-Air Respirator (SAR) or an Emergency Escape Breathing Device (EEBD), **these respirators are designed to function effectively in tough conditions.** They are the gear you need when everything's on the line.

Think about the:

- Water treatment plants that deliver safe water to our homes,
- Natural gas fields that energize our cities,
- Power plants offering indispensable energy for our daily lives.

These industries depend on workers to keep them functioning and 3M™ Scott™ Fire & Safety provides solutions to help keep them safe.



Did You Know?	Choose with Confidence		Selecting Your System		Decision Tree	3M™ Scott™ Supplied-Air Respirators		Where Are They Used?	Selection Guide	Guide to Features and Benefits	Resources			Contact Us
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Contents

How to navigate through this interactive selection guide brochure:

Click on the above table or the home (contents page) or arrow icons below to navigate.



Did You Know?

represents the importance of using the right respiratory protection equipment, using confined space as an example.



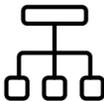
Choose with Confidence

represents an overview of the proven technology offered by 3M™ Scott™ Fire & Safety. This section contains part 1 and 2.



Selecting Your System

represents several considerations for different work environments. This section contains part 1 and 2.



Decision Tree

represents a quick guide for selecting the right Supplied-Air Respirator.



3M™ Scott™ Supplied-Air Respirators

represents the different Features and Benefits of 3M™ Scott™ Supplied-Air Respirators. This section contains part 1 and 2.



Where Are They Used?

represents the recommended industries and applications.



Selection Guide

represents a table that supports you with choosing the right respirator for your work environment.



Guide to Features and Benefits

represents a table that supports you with learning more about the different features and benefits of 3M™ Scott™ Supplied-Air Respirators.



Resources

represents different content such as flyers, ordering information, brochures, catalogs and the most frequently asked questions. This section contains part 1, 2 and 3.



Contact us

represents our 3M helpline details to get in touch with our respiratory protection specialists.

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Did You Know?

In a review of multi-fatality incidents,



of deaths are would-be rescuers.

More people die attempting to rescue others than the initial workers in distress.

Positive pressure supplied-air respirators (SAR) are used in various operations. In cases where atmospheric contaminants are unknown or concentrations may be unstable, a supplied-air respirator with an emergency self-contained breathing apparatus (SCBA) may be worn.

Confined space work requires careful consideration of both known and unknown hazardous atmospheres. If an atmospheric hazard is anticipated, workers should utilize supplied-air respirators with an escape cylinder, such as the 3M™ Scott™ Flite COV Supplied-Air Respirator that provides respiratory protection during entry into, while working in, and escape from atmospheres that could be Immediately Dangerous to Life or Health (IDLH) or could become IDLH.



Sources:

<https://ohsonline.com/articles/2018/08/01/we-must-change-the-statistics-of-confined-space-injuries-and-fatalities.aspx>
 An investigation into the rate and mechanism of incident of work-related confined space fatalities, Selman et al., Safety Science 109 (2018) 333.-343
 Bond, J., 1996. The Hazards of Life and All That: A Look at Some Accidents and Safety Curiosities, Past and Present. Institute of Physics Publishing, Bristol, United Kingdom.

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Choose with Confidence

When you choose 3M™ Scott™ Supplied-Air Respirators, you're choosing **proven performance and protection.**

The 3M™ Scott™ RAS and Flite COV Supplied-Air Respirators are supported by a wide range of options for optimal performance.

These Supplied-Air Respirators are compatible with **Promask** and Vision 3 positive pressure facepieces. There are also filter equipped versions of these facepieces for use in Non-IDLH environments in combination with 3M™ Scott™ RAS (Respiratory Airline System) for worksite entry and exit.

Approved Configurations:

Promask RAS

For use with 3M™ Scott™ RAS

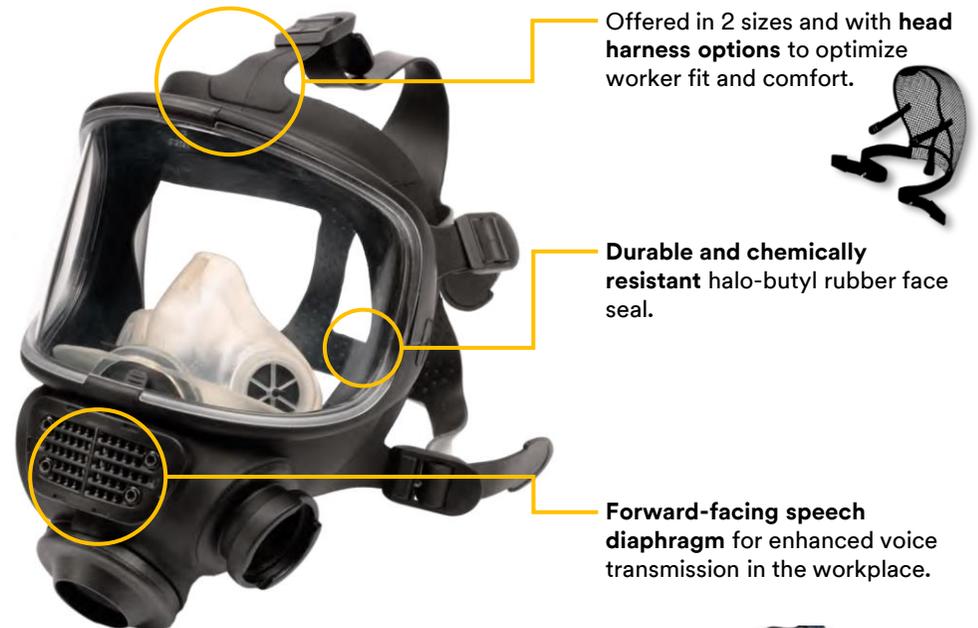


Promask Positive Pressure

For use with Flite COV or ProPak SCBA



Promask Positive Pressure facepiece for durability and chemical resistance



Can be ordered with support for **EPIC 3 communication device family.**



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Choose with Confidence

When you choose 3M™ Scott™ Supplied-Air Respirators, you're choosing **proven performance and protection.**

The 3M™ Scott™ **RAS** and **Flite COV** Supplied-Air Respirators are supported by a wide range of options for optimal performance.

These Supplied-Air Respirators are compatible with Promask and **Vision 3** positive pressure facepieces. There are also filter equipped versions of these facepieces for use in Non-IDLH environments in combination with 3M™ Scott™ **RAS** (Respiratory Airline System) for worksite entry and exit.

Approved Configurations:

Vision RAS

For use with 3M™ Scott™ RAS

Vision 3

For use with Flite COV or ProPak SCBA



Vision 3 facepiece for comfort, fit and performance



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Selecting Your System

IDLH or potential IDLH conditions.



There is often a need for workers to carry out tasks in an IDLH or potentially IDLH atmosphere, which could include working in a tight space or for a prolonged period. In many cases, SCBA may not be a practical solution due to its limited cylinder duration and large size. **A supplied-air respirator connected to an external air source via an airline and equipped with a smaller escape cylinder can be an effective solution for extended periods of time.**

3M™ Scott™ Fire & Safety offers pressure-demand supplied-air respirators with or without escape cylinders for protection against respiratory hazards.

For non-IDLH conditions

- Escape cylinder is not required.
- The 3M™ Scott™ **RAS** (Respiratory Airline System) is an option for use when extended wear times are required in non-IDLH environments.

For IDLH or potential IDLH conditions

- Escape cylinder is required.
- The 3M™ Scott™ **Flite COV** Supplied-Air Respirators combine a positive pressure airline respirator with an emergency self-contained escape breathing apparatus (SCBA) that provides respiratory protection during entry into, while working in, and escape from atmospheres that could be IDLH or could become IDLH.

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Selecting Your System

What to consider.

Before specifying a supplied-air respirator, it is imperative that you conduct a thorough risk assessment of the intended work site and that the required equipment advised by that assessment are in place before any tasks are performed.

Depending upon the answers provided by the risk assessment, the 3M™ Scott™ Supplied-Air Respirators **provide effective solutions to these important considerations.**



Primary air source:

- This can be piped in plant air supplied by a large volume compressor or a bank of compressed air cylinders.
- Always ensure that the air source meets breathing air quality requirements.



Reserve air supplies:

Do you need to provide a more mobile supply of air?

- In addition to being a portable air supply system, the 3M™ Scott™ Modulair airline trolley can be used as a backup in the event of primary air source interruption.



Connecting the system:

How are you going to connect the users to their air supply?

- 3M™ offers a wide range of approved airline hoses and coupling assemblies for use with the 3M™ Scott™ Airline Respirators to connect the airline connection hose of the respirator to a remote breathing air supply system.

Choosing the right supplied-air respirator for the job at and:

Is the wearer working in a confined space or potentially hazardous atmosphere?

- 3M™ Scott™ Fire & Safety offers a solution that automatically activates the emergency escape cylinder in the event the supplied-airline is disrupted.



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Supplied-Air Respirator Decision Tree

A quick guide for selecting the right 3M™ Scott™ supplied-air Respirator.

Is the atmosphere considered IDLH (e.g., oxygen deficient, high levels of toxic chemicals or unknown concentration)?

NO YES

Are the concentrations above the Occupational Exposure Limit (OEL)?

Do you require more than 10 minutes to escape from the IDLH environment?

NO YES

NO YES

No respiratory protection is needed based on your selection.

MORE INFO



3M™ Scott™ RAS
(Respiratory Airline System)

MORE INFO



3M™ Scott™ Flite COV
Supplied-Air Respirator
With 10-Minute Steel Cylinder

MORE INFO



3M™ Scott™ Flite COV
Supplied-Air Respirator
With 10-Minute Lightweight Cylinder

WATCH NOW

MORE INFO



3M™ Scott™ Flite COV
Supplied-Air Respirator
With 15-Minute Steel Cylinder

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3M™ Scott™ Supplied-Air Respirators



Positive pressure air-line respirator
3M™ Scott™ RAS
 (Respiratory Airline System)

Product Features:

- Positive-pressure air-line respirator for **non-IDLH** environments such as painting, plant maintenance operations or welding.
- **Flame-retardant polyester webbing** or **wipe-clean PU coated harness** to suit the work environment.
- Approved with **Vision 3** or **Promask Positive Pressure** facepieces with rubber or textile head harness.
- Available with RAS facepiece incorporating negative pressure filter port for **entry and egress from the work area without having to carry the air hose.**
- Tempest demand valve with reset **air-saver function** and **constant-flow bypass** for added airflow or emergency bypass.
- Available with a wide range of accessories and hoses.
- CE certified to EN 14593-1:2005 as an airline respirator.



Advanced supplied-air respirator with optional escape air supply
3M™ Scott™ Flite COV
 Supplied-Air Respirator

Product Features:

- Combination airline respirator with optional escape air cylinder for entry into and escape from **hazardous confined spaces** or **IDLH environments.**
- Hands-free, **automatic Change Over Valve** switches from external air source to escape cylinder in the event of primary air-supply interruption.
- **Automatic whistle activation** warns users to evacuate.
- **Flame retardant harness** with shoulder pad for working comfort.
- Available with 10 or 15-minute steel escape cylinder or 300 bar lightweight carbon-composite cylinder options.
- Compatible with **Vision 3** or **Promask Positive Pressure** facepieces with rubber 5-point or textile head harness options.
- Alternate airline hose connections available to suit existing airline installations.
- CE certified to EN 14593-1:2005 as an airline respirator and EN 402:2003 as an escape respirator when fitted with the optional escape cylinder.

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3M™ Scott™ Supplied-Air Respirators

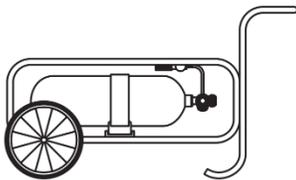


Portable. Reliable. Easy To Operate.

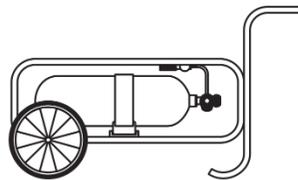
3M™ Scott™ Modular Airline Trolley System

Product Features:

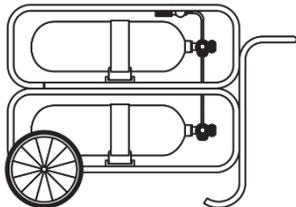
- Compact, configurable mobile compressed-air trolley allows **easy movement of breathing air cylinders** to suit workplace requirements.
- On-board pressure reducer accommodates 200 or 300 bar cylinder pressures.
- Pneumatics can deliver up to **1000 litres of breathing air per minute**.
- Base configuration supports up to 2 workers and 2 air-supply cylinders.
- Supports **optional pass-through air filter panel** allowing Modulair to act as a portable factory-air filter (input air must be of breathable quality) and hose reel, with back-up air cylinders.
- **Warning whistle** alerts operator when air levels drop to approximately 55 bar.
- Non-return and bleed valves allow continuous empty-cylinder replacement with breathing maintained by the alternate cylinder, supporting long-duration work tasks.
- **Adjustable cylinder retainers** support a variety of cylinder capacities and sizes.
- Sturdy **corrosion-resistant stainless-steel welded frame** for industrial worksites.
- Hose reel accommodates **up to 60 metres** of 9.5mm inside-diameter hose.
- Optional second 2-cylinder frame **supports up to 4 cylinders**.
- Optional pneumatic-upgrade **supports up to 4 simultaneous workers**.



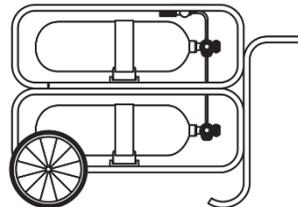
2-Cylinder, 2-Person



2-Cylinder, 4-Person



4-Cylinder, 2-Person



4-Cylinder, 4-Person

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Where Are They Used?

Industries and Applications.



Recommended industries and applications for 3M™ Scott™ Flite COV Supplied-Air Respirator

- Mining, Oil & Gas
- Chemical
- Marine
- Transportation
- Utilities
- General Manufacturing
- Ship Building
- Food Processing
- Confined Space
- Shutdown
- Industrial Maintenance
- HAZMAT Handling

Recommended industries and applications for 3M™ Scott™ RAS Supplied-Air Respirator

- Mining, Oil & Gas
- Chemical
- Marine
- Transportation
- General Manufacturing
- Utilities
- Food Processing
- Shutdown
- Industrial Maintenance
- Painting & Coating

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Supplied-Air Respirator Selection Guide

Choosing the right supplied-air respirator for your work environment is highly dependent upon your application, the duration of use, and the hazards you may encounter.

	3M™ Scott™ RAS	3M™ Scott™ Flite COV
10-minute Steel Cylinder option	×	✓
15-minute Steel Cylinder option	×	✓
10-minute Carbon Composite Cylinder opt.	×	✓
Automatic Change Over Valve	×	✓
Tempest Demand Valve	✓	✓
Wipe-Clean Harness Option	Optional	×
Low Air Warning	Optional Whistle	90 dB Whistle Standard
Escape Cylinder Pressure Gauge	×	✓
CEN airline hose connection	✓	✓
Foster/Hansen airline hose connection	×	Optional
Hansen HK airline hose connection	×	Optional
Vision 3 Mask Option	Optional	✓
Promask Mask Option	Optional	✓
Vision RAS Mask Option	✓	×
Promask RAS Mask Option	✓	×
EN 402:2003 Approvals	×	✓
EN 14593-1:2005 Approvals	✓	✓
AS/NZS 1716:2012 Approvals	✓	✓

Note: For more details on some of the features and benefits of Flite COV, kindly see Guide to Features and Benefits page.



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Guide to Flite COV Features and Benefits

Feature	Benefit
Automatic Change Over Valve	Hands-free Change Over Valve detects interruption to the remote air supply, automatically switching to the leg-mounted escape air cylinder.
Low/Compromised Air Warning	90 dB pneumatic whistle automatically triggered upon switch-over to escape air-cylinder to alert worker they are breathing on escape air supply.
Escape Cylinder Pressure Gauge	Cylinder pressure gauge provides quick visual reference for escape cylinder air level.
Escape Cylinder Locking Handwheel	Positive action ratchet valve handwheel minimises risk of inadvertent closure of emergency escape air-cylinder valve.
Escape Cylinder Leg Strap	Emergency escape cylinder carried in fabric anti-static pouch incorporates leg strap to reduce unwanted movement when navigating tight spaces or during evacuation.
Escape Cylinder Options	Choice of 10 or 15-minute steel or lightweight composite escape cylinders provide a mix of cost-saving and weight-saving options to suit the work environment.
Tempest Demand Valve	Compact Tempest Demand Valve provides low breathing resistance and includes true bypass air-supply function and reset 'air saver' button.
Vision / Promask Facepiece Options	Flite COV supports Promask Positive Pressure and Vision 3 facepieces, providing a choice of 5 different sizes and styles of facepiece to help achieve optimal face fit.
Air Line Connection Options	Flite COV is available with a choice of CEN, Foster/Hansen Mil Spec or Hansen-HK pattern airline connections.