

3M Science.
Applied to Life.™



Industrial Catalog 2018



Gas & Flame
Detection



SCOTT™
Fire & Safety



Introduction

As One. Trusted Partners. Innovative Solutions. A Safer World.

The recent acquisition of Scott Safety by 3M brings together two safety businesses with a common set of values. We share the desire to make our world a safer place to work and live, by delivering quality, innovative safety solutions to our customers worldwide.

Combining 3M's products, brands and global capabilities in personal protective equipment with Scott Safety's well regarded safety products and knowledgeable, dedicated people, we can provide a broader array of safety products and solutions, enhancing our relevance to customers in high hazard environments around the globe.

At 3M Scott Safety, we do more than design and build safety equipment. We clear the way, by listening to your needs and addressing your hazards. So in moments of danger you can move forward, be safe and work with confidence.

How do we do it? We create smart solutions based on how you work in the real world. Solutions that cater to the industries we serve and support our unwavering commitment to you.

Whether you need a scalable solution to protect your employees or need to know the exact product to take your business to the next level, 3M Scott Safety has the resources to provide the smart solution.

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Safety. No matter the condition.

Innovative features. Rugged construction. Reliable performance. That's only the beginning. Our line of supplied air solutions allow you to focus on the job, not the hazards.





SCOTT SAFETY

4.5

SCOTT SAFETY

SCOTT SAFETY

SCOTT SAFETY

AIR PAK

SCOTT SAFETY

4.5 FLO REGULATOR WITH VIBRALIFT

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TEL: 177 LUXFER
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NO SE DEBE MODIFICAR O ADAPTAR
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Air Supplied and Escape

3M™ Scott™ ACSi

NIOSH SCBA

The ACSi SCBA features the innovative Advanced Carrying System (ACS), which features a padded Thermoflex backplate molded to fit the spine and back muscles for comfort and flexibility. The ACSi SCBA features a reliable two-stage pneumatic system consisting of a first-stage pressure reducer coupled with the Scott E-Z Flo mask-mounted regulator. Finally, the ACSi SCBA enables quick turnaround and decon with pneumatics that can be removed from the back plate with a simple Scott quarter turn—no tools required.

Product Features:

- Lightweight, flexible Thermoflex back plate for comfort and flexibility
- E-Z Flo regulator reduces inhalation and exhalation resistance to help reduce user fatigue
- Pneumatics are easily removed with a Scott quarter turn—no tools required—for ease of maintenance decon
- Adjustable, padded shoulder straps and waistband with quick-release buckle for comfort and ease of donning and doffing



3M™ Scott™ ISCBA

SCBA

Designed for quick and easy use, the ISCBA SCBA provides IDLH-level respiratory protection in non-fire related environments. The ISCBA features a simple, dependable single-stage pressure reducer combined with the 3M Scott E-Z Flo mask-mounted regulator with first-breath activation. The ISCBA has a sturdy wire-formed back frame with the option of a nylon or Kevlar harness. It is available in 2216 psig low-pressure or 4500 psig high-pressure models, both with an option for a dual-port reducer and extended duration airline.

Product Features:

- Available in 2216 psig and 4500 psig operating pressures with carbon fiber or aluminum cylinder options
- Features a simple, dependable single-stage pressure reducer with optional dual-port manifold for the option of adding an extended duration airline connection, enabling the SCBA to accept an airline connection from an external air source
- Features 3M Scott's E-Z Flo regulator with first-breath activation, positive engagement mechanism for quick donning and an air-saver switch which allows the SCBA to be put in stand-by mode when connected to an activated cylinder



Air Supplied and Escape

3M™ Scott™ AIR-PAK 75i

NIOSH SCBA



The Air-Pak 75i SCBA features 3M Scott's unique dual-redundant pressure reducer coupled with the innovative and patented 3M Scott Vibralert end-of-service indicator to provide peace of mind and protection even in the most demanding industrial applications. The streamlined back frame provides a comfortable fit with lower profile allowing greater freedom of movement to SCBA users in industrial protective clothing during even the most rigorous of on-the-job activities. The Air-Pak 75i SCBA is NIOSH approved for use in non-fire related, IDLH environments.

Product Features:

- Time-tested record of reliable performance and rugged dependability
- Dual redundant pressure reducer
- EZ-Flo regulator with Vibralert tactile alarm
- Top Down Convertibility

3M™ Scott™ E-Z Airline

Supplied Air Respirator



The E-Z Airline Supplied Respirator offers ideal protection when extended wear times are required in non-IDLH environments. This supplied air respirator provides comfort and protection in a variety of industrial applications. As a Type C positive pressure respirator, the E-Z Airline Supplied Air Respirator can be used with various lengths of Scott supplied air hose for a combined total of up to 300 feet.

Product Features:

- Type C positive pressure respirator for non-IDLH environments
- Ideal for use where extended wear times are needed in environments that are not immediately dangerous to life or health (non-IDLH), such as painting, plant maintenance operations and welding
- E-Z Flo Modulair regulator allows for personal issue regulators that can also be used with the industrial SCBA (ISCBA), ACSi SCBA and Ska-Pak Plus respirators for reduced training and inventory costs
- Available with Hansen, Schrader, Hansen HK, CEJN and Foster fittings

Air Supplied and Escape

3M™ Scott™ SKA-PAK Supplied Air Respirator

The Ska-Pak is designed for easy use and versatility for entry into or escape from hazardous or IDLH environments. It is available with a lightweight, chemical-resistant polypropylene harness or a spark-resistant Kevlar harness. The Ska-Pak is available with 5-, or 15-minute rated cylinder egress durations.

Product Features:

- Combination Type C positive pressure respirator with escape cylinder for entry into or escape from a hazardous, confined space or Immediately Dangerous to Life and Health (IDLH) situations
- Includes E-Z Flo Pressure Demand Regulator with first-breath activation and low exhalation resistance for easy breathing and reduced user fatigue
- The cylinder is hip mounted with a durable, secure cylinder band retention system
- Available in 5-, or 15-minute rated cylinder egress options for selection versatility based on the job at hand



3M™ Scott™ SKA-PAK PLUS Supplied Air Respirator

The Ska-Pak Plus supplied air respirator features a streamlined profile for entry into or escape from hazardous confined spaces or toxic IDLH situations. It is available with an environment-resistant padded nylon harness or heat-resistant padded Kevlar harness. It features the E-Z Klip cylinder attachment mechanism for quick and easy cylinder changeout. The Ska-Pak Plus is also available with an integrated full-body fall protection harness. Ideal for confined space applications.

Product Features:

- Combination Type C positive pressure respirator with escape cylinder for entry into or escape from a hazardous, confined space or Immediately Dangerous to Life and Health (IDLH) situations
- Includes E-Z Flo Pressure Demand Regulator with first-breath activation and low exhalation resistance for easy breathing and reduced user fatigue
- Available in 5-, 10- or 15-minute rated cylinder egress options for selection versatility based on the job at hand
- Features the E-Z Klip cylinder retention system for quick and easy cylinder changes



Air Supplied and Escape

3M™ Scott™ SKA-PAK AT Supplied Air Respirator



The Ska-Pak AT is our most advanced supplied air respirator with the added benefit of a patented, automatic, hands-free air transfer capability. If your continuous air supply is interrupted, your air source is instantly switched to the portable air cylinder automatically. Upon transfer, the Vibralert tactile alarm system activates, letting the user know that the respirator has transferred to cylinder air. The Ska-Pak AT is available with either a padded nylon or padded Kevlar harness or an integrated full body harness for fall protection, ideal for confined space applications.

Product Features:

- Automatic, hands-free transfer from external air source to cylinder in the event the source of air is interrupted
- Personal, tactile Vibralert alarm to alert users of the transfer to cylinder air
- E-Z Klip cylinder retention system for quick and easy cylinder changes
- On-board cylinder low pressure indicator for safety and awareness
- Available in 3-, 5-, 10- or 15-minute rated cylinder egress options for selection versatility based on the job at hand

3M™ Scott™ Cylinders Family



Over the years, breathing air cylinders have been providing SCBA users with a supply of fresh air. The original cylinders were made of steel and quite heavy. But today, advances in technology have enabled cylinders to become much lighter and less burdensome to the SCBA wearer. 3M Scott offers a complete assortment of cylinders to meet the needs and demands of all SCBA users—aluminum cylinders for infrequently used SCBA to carbon-wrapped cylinders for daily use. In addition, 3M Scott offers cylinders in 30', 45', 60' and 75' durations (a 3M Scott exclusive).

Product Features:

- Aluminum cylinders
- Carbon cylinders
- ST7 Heavy Duty cylinder
- Custom logos
- 2216, 4500 and 5500 psi
- 30', 45', 60' and 75' durations
- 30 yr cylinders
- 5, 10, 15 durations for industrial Ska-Pak use

Air Supplied and Escape

3M™ Scott™ MOBILE Air Cart

The Mobile Air Cart is a compact portable air source that accommodates two cylinders, providing an uninterrupted supply of breathing air for up to four users for several hours (by rotating cylinders). It also has a high-pressure inlet source that allows the use of a compressor or cascade system as the primary air source. Scott's Mobile Air Cart can accept 2216, 3000, 4500 or 5500psi cylinders in 30-, 45-, 60-, or 75 minute durations. Also available are two optional independently regulated ports for tools or other low-pressure devices.

Product Features:

- Portable, lightweight air supply with large wheels and a low center of gravity for ease of mobility and maneuverability
- Loud, pneumatic whistle end-of-service indicator and clear, audible alarm indicator of low cylinder pressure
- High-pressure Inlet Supply Connector provides the ability to utilize a high-pressure supply such as a compressor or cascade system
- Easily accessible connections for ease of operation and ease of use



3M™ Scott™ TRC-1 Air Cart

The TRC-1 Air Cart portable air source provides an uninterrupted supply of breathing air for up to eight users simultaneously. A unique on-board air switch allows two teams to breathe from the same cart, yet have independent air sources. When in an isolated mode, outlet pressure for each air source is independently regulated.

Product Features:

- Portable, lightweight air supply with large wheels and a low center of gravity for ease of mobility and maneuverability
- Air source selector switch for the ability to utilize a common or isolated air sources on the left and right outlet banks which enables the cart to provide two separate, dedicated air sources for both a primary work team and a rescue team
- High-pressure Inlet Supply Connector provides the ability to utilize a high-pressure supply such as a compressor or cascade system



3M™ Scott™ ELSA

Escape Respirator



The ELSA EEBD is an emergency escape-breathing device providing 5, or 10 minutes of escape from toxic environments, even in atmospheres immediately dangerous to life or health (IDLH). The ELSA EEBD is lightweight and is designed for comfort as well as simplicity of use. It delivers a constant flow air supply at 40 lpm nominal flow and has an elastomeric neck seal for ease of donning and can be worn by those who wear glasses or have beards.

Product Features:

- Pressure gauge on cylinder valve verifies cylinder pressure at a glance
- Clear polyurethane hood provides 360° visibility
- Easily detachable hood for cleaning and replacement
- Safety orange PVC coated polyester bag is easy to maintain and resists aging
- Can be worn on shoulder or neck
- Donning instructions printed on pouch
- Available in 5-, or 10 minutes variants

3M™ Scott™ SPEED EVAC

Escape Respirator



The Speed Evac Mouth Bit Respirator provides the wearer with a timely escape from toxic non-IDLH levels of ammonia or acid gases (chlorine, chlorine dioxide, sulfur dioxide, hydrogen sulfide or hydrogen chloride). Speed Evac is small, lightweight and ergonomically designed so that it can be donned for immediate emergency escape protection. It is unaffected by facial hair and requires minimal training for use.

Product Features:

- Mouth-bit design is easy to use
- Minimal training for easy emergency donning
- Ready to use and easy to carry with belt clip and protective bag or hard case



Total solution for all environments.

The key to our advanced facepieces is Top-Down Convertibility. A single facepiece. A single fit test. That's all it takes. This provides a single, full-facepiece solution for all applications while minimizing inventory costs and training time.



Facepieces

3M™ Scott™ AV-2000 Facepiece

The original AV facepiece, the AV-2000 Facepiece was designed with maximum versatility and holds NIOSH and CBRN approvals across a wide variety of applications. The facepiece versatility helps minimize equipment inventory, simplify user training and reduce redundant fit testing to ensure lower cost of ownership than other facepieces. Available in multiple sizes with Kevlar, Polyester or Rubber Head Harness options.

Product Features:

- Top Down Convertibility – Single facepiece for all respiratory applications for reduced cost of ownership
- One fit test and reduced training
- Mechanical and electronic communication options
- Multiple sizes ensure reliable fit
- NIOSH, CBRN and NFPA approvals for APR, PAPR, SAR and SCBA applications



3M™ Scott™ AV-3000 with SureSeal Facepiece

The AV-3000 Facepiece with SureSeal combines excellent fit with comfort and versatility. This facepiece has earned its place through enhanced features that make it extremely comfortable and easy to use. The AV-3000 Sureseal Facepiece holds NIOSH approvals across a wide variety of applications, including CBRN. The facepiece versatility helps minimize equipment inventory, simplify user training and reduce redundant fit testing to ensure lower cost of ownership than other facepieces. Available in multiple sizes with Kevlar, Polyester or Rubber Head Harness options.

Product Features:

- Top Down Convertibility – Single facepiece for all respiratory applications for reduced cost of ownership
- One fit test and reduced training
- Mechanical and extensive electronic communication options across all applications.
- Patent-pending SureSeal technology for the most advanced fit and comfort
- NIOSH, CBRN and NFPA approvals for APR, PAPR, SAR and SCBA applications.



3M™ Scott™ AV-3000 HT Facepiece



The AV-3000 HT facepiece meets all requirements established in the NFPA 1981, 2013 Edition standard, with state-of-the-art material technology to provide thermal durability and voice intelligibility performance for added safety. The AV-3000 HT is approved for use with all NFPA 1981, 2002, 2007, and 2013 Edition Air-Pak SCBA. The new AV-3000 HT facepiece utilizes the proven SureSeal technology, 3M Scott's reverse-reflex sealing surface to provide excellent fit with comfort & versatility.

Product Features:

- Approved with NFPA 1981, 2002, 2007 and 2013 Edition Air-Pak SCBAs
- State-of-the-art materials and design for enhanced performance
- Proven SureSeal facesal for excellent fit and comfort
- ANSI Z87.1-2010 impact rated
- Multiple kevlar headnet configurations - 4-strap and 5-strap
- Compatible with EPIC 3 Communication Systems
- Right and left communication installation option
- Designed for Top-Down Convertibility (SCBA, APR, PAPR)
- Compatible with award-winning Scott Sight in-mask thermal imager

3M™ Scott™ WELD-O-VISTA Facepiece



The Weld-O-Vista Full Facepiece offers welders full facepiece respiratory protection against welding fumes, gases, vapors and other airborne particulates. The Weld-O-Vista is lightweight and comfortable, promoting greater user acceptance and interfaces with Scott communication products for clearer communications. Flip-up visor accommodates a standard single shade or auto-darkening lens.

Product Features:

- Iodine-based solution for one-step cleaning and disinfecting
- Pre-measured concentrate makes mixing easy—just add potable water and shake
- Available in two sizes with spray attachments for customer convenience

Facepieces

3M™ Scott™ Facepiece Adapters

For Top Down Convertibility

3M Scott provides a full line of adapters for use with the AV-Series Facepieces (AV-3000 series, AV-2000 and Weld-O-Vista) to accommodate a wide variety of applications with the same facepiece.

Product Features:

- Adapters enable facepieces to be used in a wide variety of applications (APR, CBRN APR, PAPR)
- All use simple, quick quarter turn for easy attachment
- Consistent attachment makes training easy across multiple applications
- 40mm Filter adapter
- Twin cartridge adapter



3M™ Scott™ Fit Testing and Accessories

BITREX Fit Test Kit

Simple and easy-to-perform qualitative fit testing kit for use with tight-fitting half and full facepieces. Meets all performance criteria for current OSHA standards. The kit includes test hood, two nebulizers, six sensitivity and six fit-test solution applications.

Product Features:

- Qualitative fit testing that is simple and easy to perform
- Ensures proper respirator fit
- Meets performance criteria for current OSHA standards
- Uses harmless Bitrex solution



3M™ Scott™ Prescription Lens Kits



3M Scott offers approved lens kits that are easy to install and designed specifically to work with each unique facepiece. Customers can select from two prescription-ready frame designs.

Product Features:

- Specifically designed to work with Scott facepieces
- Two styles for user preference
- Prescription ready

3M™ Scott™ 742 Series Facepiece

Cleaner/Disinfectant



Wescodyne Plus cleaner/disinfectant is recommended for use on the 3M Scott AV-3000 with SureSeal, AV-3000, AV-2000 and Weld-O-Vista facepieces.

Product Features:

- Iodine-based solution for one-step cleaning and disinfecting
- Pre-measured concentrate makes mixing easy—just add potable water and shake
- Available in two sizes with spray attachments for customer convenience

3M™ Scott™ 742 Series

Cartridges

The easy breathing 742 series twin cartridges were developed to provide optimal respiratory protection in non-IDLH industrial or HazMat situations. The low-profile, swept-back cartridge design ensures optimal field of vision and allows use of communications. The 742 series is available in a full range of NIOSH-approved chemical cartridges or combination cartridges. Attaches directly to XCEL Halfmask and Promask full facepiece. Uses quarter-turn adapter when used with AV-Series Facepieces.



Product Features:

- Use with 3M Scott half and full facepieces to streamline inventory and training needs
- Quarter-turn bayonet connection is easy to use
- Cartridge designed for easy breathing to reduce fatigue
- PLUS cartridges for extended service life
- Free access to SureLife Cartridge Calculator for assistance with cartridge selection and service life estimation

3M™ Scott™ 40mm Cartridges and Canisters



3M Scott offers multiple 40mm cartridges and canisters for a wide range of protection and applications for NIOSH APR/PAPR and CBRN APR/PAPR applications.

Product Features:

- Protection for industrial and CBRN response
- 40mm thread enables air purifying and powered air purifying use
- Five to 10-year shelf life, depending on cartridge
- Free access to SureLife Cartridge Calculator for assistance with cartridge selection and service life estimation



Safety Without Compromise.

Your safety—and the safety of your crew—depends on real-time information. Our dependable communication and imaging system solutions keep you connected.



Communications

3M™ Scott™ EPIC 3 RDI

Voice Communications

The 3M Scott EPIC 3 Radio Direct Interface (RDI) voice amplifier enhances SCBA facepiece voice intelligibility and delivers clear two-way radio communications when operated with compatible handheld field radios and remote speaker microphones (RSM).

Compatible with all 3M Scott AV-series facepieces and Air-Pak SCBA, the EPIC 3 RDI provides Scott Safety customers with the safety and operational benefits of enhanced tactical voice communications while extending the value of their SCBA and Personal Protection Equipment.

Product Features:

- Operates with compatible handheld field radios and remote speaker microphones
- Works with a broad range of 3M Scott SCBA and PPE equipment
- User friendly operation and ergonomics
- Durable and reliable purpose-built design and construction
- Easy and flexible device configuration




3M™ Scott™ EPIC 3 RI Voice Communications



Communicate clearly and effectively on the fireground and easily switch from non-tactical to tactical communications with the EPIC 3 Radio Interface (RI) Voice Communication System. We developed the EPIC 3 RI system to address the changing communication needs of firefighters and emergency personnel. The lack of clear fire scene voice communications is a leading concern for fireground situational awareness and safety. Working closely with first responders around the world, 3M Scott developed the EPIC 3 RI Voice Communication System — voice amplifiers, lapel speaker microphones, specialized accessories, and programming utilities — to meet the demanding needs and conditions while complimenting the performance and safety benefits of Scott Safety SCBA and personal protective equipment (PPE).

Product Features:

- Clear communication when and where you need it
- Interoperable with hundreds of field radios to provide ultimate flexibility
- Multi-purpose utility consolidates devices while reducing operational costs
- Compatible with Scott SCBA and facepieces for increased long-term value
- Easy-to-use utilities make programming a breeze
- Durable high-heat rated construction withstands the rigors of firefighting



Focus on the job. Not your equipment.

With simple, intuitive operation and automated functionality, our portable gas detection solutions reduce the likelihood of user error and provide greater peace of mind.

Protégé SG



20.9%



Portable Instruments

3M™ Scott™ Protégé SG Single Gas Monitor

The Protégé SG is a reusable single gas monitor that can be configured to individually detect 13 gases which provides maximum flexibility to deal with unknown gas hazards. With interchangeable smart sensors, including both low power IR and electrochemical options, the Protégé SG offers maximum versatility in a reusable solution.

Product Features:

- Available sensors: LEL, H₂S, CO, O₂, O₃, HCN, NO, NO₂, PH₃, SO₂, NH₃, CL₂ and CLO₂
- Swappable plug and play smart sensors
- Replaceable filters
- 5,000 event data logger
- IP66/67 rated
- LCD with multiple language Options
- Red and Grey robust polycarbonate case
- MasterDock II - bump, calibration and configuration station (Accessory)
- IR Connect (Accessory)
- PGD Application Software (Accessory)



3M™ Scott™ Protégé ZM Single Gas Monitor

The Protégé ZM single gas monitor is an easy-to-use, zero-maintenance gas detection solution that delivers high performance in a small package. The product is available in Oxygen, Carbon Monoxide and Hydrogen Sulfide models. Once activated, the Protégé ZM monitor does not require charging or calibration and will operate for two years, maintenance and hassle-free.

Product Features:

- Zero-maintenance, single gas solution
- Available in H₂S, CO and O₂ configurations
- 2 year operating life; no charging or calibration required
- H₂S & CO models include hibernate feature to extend battery life
- Three-point alarm with audible, visual and tactile alarms
- Customizable LCD display can show operating life remaining, real-time gas readings or both
- User configurable alarm set points, bump and calibration reminders
- Event logging capabilities
- IP 66 and IP 67-rated enclosure (third-party certified)



3M™ GMI™ PS200 Multi-Gas Monitor



The PS200 provides unrivaled protection in confined space applications. Monitoring up to 4 gases simultaneously, the PS200 can be configured to detect a combination of Methane, Oxygen, Carbon Monoxide, and Hydrogen Sulfide, as well as other flammable gases. An optional internal pump allows for pre-entry checking.

Product Features:

- Detects up to 4 gases simultaneously. Gases detected includes LEL, H₂S, O₂, CO
- Simultaneous display of all gases monitored, permits the operator to quickly view all gas readings
- Optional internal pump and easy one button operation
- Long run time of 14 hours (diffusion mode), 8 hours (pump mode). Up to 80 hour run time with optional low-power combustible sensor in diffusion mode
- IP67 rating means that the unit is dust-tight and waterproof to 1 meter
- Vibrating, visual and audible alarms with highly visible LED and a piercing >90dB audible alarm
- Small and lightweight (8 oz with the pump, 7.6 oz without the pump) unit is easy to carry

3M™ Oldham™ BM25 Transportable Multi-Gas Area Monitor



The BM25 packs the benefits of a fixed system area monitor into a rugged, user-friendly and transportable instrument.

It was designed to detect one to five gases for mobile or temporary work applications, team protection, area surveillance or places where fixed detection systems are not suitable.

Product Features:

- Detect up to 5 gases simultaneously
- 103 dB at 3 feet audible alarm
- Ultra-bright flashing signal at 360°F
- Run time of 170 hours
- Resistant to harsh environment
- Easily transportable - less than 15 lbs
- 30 devices per network
- 16 independent networks
- More than 0.5 mile RF line-of-sight



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