Dedication to supporting you in the most hazardous environments...

Breathe Safety specialise in providing equipment and services for confined space and hazardous area working.

Within these important areas of safety, Breathe are able to provide a full support service – sales, hire, service, face fit testing, consultancy and rescue services.
Escape Breathing Apparatus

Constant Flow Escape Breathing Apparatus
(Sabre Elsa or Drager CF10)

- 10 or 15 minute compressed air escape set
- Hi-visibility hood with neck seal and inner mask
- Quick activation mechanism for rapid escape
- Easy to don and suitable for wearers who have glasses or facial hair

Positive Pressure Escape Breathing Apparatus
(Sabre Elsa Sprint or Drager PP10)

- 10 or 15 minute duration compressed air escape set
- Full face mask with easy don harness
- Demand valve providing positive pressure to mask
- Durable design and suitable for situations requiring compatibility with helmets

MSA 30/100

- Chemical oxygen re-breather
- Compact design
- Duration from 30-4 minutes dependant on breathing rate
- Approved to EN401
Self Contained Breathing Apparatus

Scott ACS-F

- Tried and tested pneumatics
- Tempest demand valve with freeflow and first breath mechanism
- Unique harness assembly
- Durable nomex webbing
- High comfort composite flexible backpad
- Machine washable - pneumatics easily removed
- 9L, 207 Bar cylinder

Drager PA94 Plus

- Rigid backplate and comfort webbing harness
- Lung demand valve with first breath mechanism and freeflow
- Reliable pneumatics
- 9L, 207 Bar cylinder

Sabre Cenpaq

- Short duration jacket type BA set
- Easy to don
- 20 minutes cylinder duration
- Mask pouch included
- Approved to EN137
Breathing Air Solutions
Breathing Air Compressors and Trailer Units are one of Breathe’s specialities - used to supply airline breathing apparatus, providing a reliable air source to EN12021

2 Man B.A. Compressor
• 240V electric vane type compressor
• Produces up to 240 litres per minute
• Suitable for 2 users if breathing apparatus where run on demand
• Back up air supply in the event of failure
• Supplied with 2 airline BA sets with 30m airline each

4 Man B.A. Trailer Compressor (BAC 1000)
• Up to 4 users on demand or freeflow (in excess of 750 litres per minute)
• Unique control panel which can be used remotely from the compressor at the entry point, with entry control tallies
• Emergency high pressure back up air supply, automatically cuts in, in the event of failure
• Audible and visual alarm activates when main air supply fails
• Fitted with chalwyn valve and spark arrestor
• Supplied with airline B.A. or air suits as required

8 Man B.A. Trailer Compressor (BAC 2000)
• Up to 8 users on demand or freeflow (1400 litres per minute)
• All other features as described above

4 Man Air Cylinder Trailer
• High pressure cylinder bank mounted on a trailer unit giving 127,000 litres of breathing air
• Unique control panel which can be used remotely from the trailer at the entry point, with entry control tallies
• Backup emergency cylinders
• Supplied with 4 airline B.A. with 30m airline each
Our expertise is at your disposal for specially built breathing air systems, customised to your requirements. A broad spectrum of manufacturing capability ensures we produce technologically advanced and ergonomic systems, providing good user acceptance and high safety standards.

Airline Breathing Apparatus

Scott Modulair Trolley
- Versatile cylinder and hose reel trolley which can be used as a primary or backup air supply should the main supply fail
- Used with the Scott Flite BA
- 2x9 litre 207 bar cylinders, giving up to 80 minutes of air for one user
- Hose reel with up to 60 metres of hose
- High and medium pressure whistles
- Low pressure alarm also available
- Cylinders can be replaced one by one allowing continuous use of the system without interrupting the user

Breathe A.T.S.1 Trolley
- Heavy duty hose reel trolley
- Kit box allows the storage of an airline breathing apparatus set and regulator
- Air source can be provided by a large J type storage cylinder or a breathing air compressor
- Comes with rain cover

Breathe A.T.S.2 Trolley
- J type cylinder trolley - allows transport of a storage cylinder
- Hose reel for up to 60 metres of hose
- Regulator and manifold assembly mounted on the trolley
- Available with hose reel attachment
Airline Breathing Apparatus

Sabre Flite Airline Apparatus
- Padded webbing harness
- Usable with or without leg mounted escape cylinder
- 10-13 minute escape cylinder - steel or composite
- Shown with Vision face mask
- Tempest™ demand valve with by-pass feature
- Approved to EN139

Sabre RAS Apparatus
- As the Sabre Flite but filter allows disconnection from airline for short periods to aid mobility or access working area
- Typical application - air craft refinishing
- Approved to EN139

Drager PAS Colt and Micro
- Airline breathing apparatus with leg or back mounted escape cylinder
- Approved to EN139
Masks

A variety of masks in different sizes are available to suit your preference or application.

Sabre Vision 3

Sabre Promask

Sabre Panaseal
Luno Systems

Luno Systems have taken conventional breathing apparatus and integrated with other personal protective equipment. The result is advanced equipment designed for entry into areas which require the use of breathing apparatus and fall protection equipment and other PPE at the same time, cutting out cumbersome loads and compatibility issues. Greater wearer acceptance and efficiency are achieved.

Luno Vertax 1

- Airline breathing apparatus (compatible with the Scott range of BA) incorporating a standard rescue harness, and front and back attached pairs
- Enables one piece of equipment to be worn rather than a safety harness and standard airline BA on top
- Approved to EN139

Luno Helmet

A helmet which is designed to be worn in conjunction with a mask (see helmet section)

Luno Umbilical Hose/Comms Line Covers

- Keep hoses and comms lines free of dirt and contamination. Velcro end fastening
- Variety of lengths and colours available
Luno Entro 1

- The Luno Entro harness is a top level product, which is similar to the Vertax but has added features
- Quick release buckles
- Padding on legs and shoulders
- Facility for using with 2 airline supplies for Inert Entry into atmospheres classed as IDLH
- Escape cylinder can be worn on the leg or back
- Approved to EN139
Breathing Apparatus Accessories

Cylinder Covers
- Cylinder covers with reflective for 6 or 9 litre cylinders

Mask Bags
- Type A - Nylon drawstring light duty or
- Type B - Cordura TM, with velcro seal - heavy duty

Scott DSU
- Distress signal unit which alarms when wearer remains motionless indicating the need for rescue

Scott Telemetry IDSU System
- Advanced tracking system for entrants into hazardous environments

Neon Tracker Line Reel
- Ideal marking line available up to 100 metres on a reel
Respiratory Protection

3M 7500 Series

Scott Profile 40

Scott Profile 2

• 3 quality half masks which are available in different sizes with a range of filters for different hazards

Please contact us for more information

Scott Vision RFF1000

• Very good field of vision
• 3 sizes available (s, m, m/l)
• Ergonomic and lightweight
• Silicone face seal for comfort
• Larger range of filters available
• Available with standard or quick don net harness

Scott Promask Black

• ‘Procomp’ chemical resistant mask material
• Clear inner mask
• 2 sizes (standard or small)
• 40mm side fitting
• Large range of filters available
Scott Proflow SC

- Intelligent powered respirator
- Audible and visual warnings for low battery and blocked filter
- Rubber casing for impact protection
- Downward pointing filters to enable easy decontamination
- Data logging for instrument status and diagnosis of faults
- Available with a large range of headtops (see below)
- Fully repairable and maintainable
- Large range of filters available
- Available in Atex Approved version

Scott Tornado

- Powered respirator
- Battery easily interchangeable
- Audible and visual warnings for low battery and blocked filter
- Large range of filters available
- Approved by Atex

Scott TA Line

- Compressed air supplied belt unit available with these headtops also (see below)

Headtops Available for Scott Proflow and Tornado
3M Jupiter
- Powered respirator
- Easy to calibrate
- Audible and visual warnings for low battery and blocked filter

Helmet Integrated Pureflo ESM
- Purely helmet mounted design enables the unit to be donned and doffed quickly and effortlessly
- Alarms to indicate low battery and blocked filter
- P3 filtration
- Ideal for dusty applications

Scott Phantom
- Unique design
- Motor is mask mounted giving good flow of air to breathing zone
- Waist mounted battery with alarm to warn of low flow and battery status
- Ideal for applications where regular decontamination required
Gas Detectors

Drager Xam 7000
- Up to 25 different sensors available for monitoring more than 100 gases
- Rugged casing - waterproof
- Built in pump and datalogger available
  - 20 battery duration on a charge
  - Leak detection facility
- Infra red sensing capability

MSA Altair 4
- Up to 4 sensors for a variety of gases
  - Integral rubber shock casing
- Unique motion sensor which activates a distress alarm
  - Waterproof

Gas Alert P.I.D. Detector
- Up to 4 sensors can be fitted including 1 photo ionisation sensor
- High accuracy at low levels
- Ergonomic design
- Will monitor a vast range of volatile gases

ISC BM25 Area Monitor
- Area monitor with loud alarm and large flashing beacon
  - Monitors for a variety of gases
- Can be interlinked with communication cables to other units
  - Up to 150 hours duration on a battery charge

Drager X-Zone 5000
- State of the art area monitor, with the same features as the BM25 but zone 0 rated and works in conjunction with Xam 5000 unit
**Single Gas Detectors**

**MSA Altair Pro**
- Small and lightweight
- 2 Year life
- Low maintenance
- 20 battery duration on a charge
- Available for O2, H2S and CO

**Honeywell Gas Alert XT**
- Small and lightweight
- 2 year life
- Low maintenance
- Available for O2, H2S and CO

**Multi Gas Detectors**

**Drager Xam 2000**
- Very small and easy to operate
- Robust
- Heavy duty clip
- IP rating of 7 - waterproof
- Long sensor life
- Chargers can be joined in a bank, avoiding trailing cables
- Xam 5000 version detects a wide variety of gases
- Pumped and datalogging versions available

**Honeywell Impact Pro**
- Monitors up to 4 gases
- Uses sensor cartridge technology
- Rugged casing

**Scott Protégé**
- Small, state of the art monitor
- Robust
- IP rating of 7 - waterproof
- Datalogging as standard
- Monitors for 4 gases
**Ventilation Equipment**

**110 Volt Airmover**
- Comes with 5 metres of ducting
- 300mm diameter
- Robust design
- 2900 cfm capacity
- Extra ducting available

**Venturi Airmover**
- Air powered airmover 300mm
- Requires 80 cfm compressor capacity to generate approx 2000 cfm displacement
- Comes with earth cable and 5 metres of ducting
- Suitable for all zoned areas under ATEX

**110 Volt ATEX Airmover**
- ATEX approved airmover, 300mm diameter
- Approx 3500m³/hour airflow
- Antistatic
Intrinsically Safe Lighting

EX200 Torch
- Basic torch approved to zone 1 by ATEX
- Tough casing
- Waterproof and dustproof

Brightstar Zone 0
- Zone 0 handtorch
- Very tough and lightweight
  - LED bulb

Petzel Duo ATEX Headtorch
- Heavy duty
- Can be helmet mounted
- Zone 1 approved
- Rechargeable
- Adjustable headband

Petzel Tikka ATEX
- Small ATEX approved zone 2 headtorch
  - Low cost of ownership
  - Can be helmet mounted
Intrinsically Safe Lighting

HT200 Headtorch
• ATEX approved to zone 0
• Durable rubber housing
• Comes with helmet clips
• 3 LED configurations for brightness

110 Volt Link Light
• Approved to zone 1
• 2 x 36 watt fluorescent bulbs
• Linkable to other lights
• Water and dustproof
• Unique antistatic treatment

Wolf Turbolight
• Approved to zone 1
• Heavy duty construction
• Air powered for safety
• Uses approx 26 cfm
• Supplied with filter unit to protect the turbine

Lighting Accessories
A full range of accessories for lighting equipment available

110V Extension Leads ATEX 20M/50M
Antistatic & airline for airlights 20M

110V Transformer (2 Outlet)
Air filter unit for airlights
**Access Equipment**

**Globestock G-Winch**
- Lightweight but efficient
- Up to 200 kg loading
- Supplied with 50 metres of galvanised steel cable

**Miller MN10 Tripod and Winches**
- Lightweight aluminium tripod
- Up to 500 kg loading
- Easy to assemble
- Usable with Manhandler or Mightevac winches

**Manhandler**
- Heavy duty man riding winch for up to 136kg
- Covered drum to prevent ingress of dirt

**Mightevac**
- Designed for fall arrest and recovery
- Allows emergency man riding for recovery or rescue purposes
- Easy to fit to tripod
- Available in 15m, but also 30m & 40m

**UCL Davit System**
- The davit arm system allows for a variety of applications
- A modular system which can be built up with a vast range of accessories for different applications. Please contact us for more information on thissystem

**Specialist Access Systems**
- A large range of specialist access equipment is available for difficult access applications - such as horizontal entry, low overhead height, trench systems and shoring systems. Please contact us to discuss your exact requirements
• Rear D ring and shoulder attachment for vertical access when used with a spreader bar assembly

Entro Rescue Harness

• Rear D ring and shoulder attachment for vertical access when used with a spreader bar assembly

Sala Exofit Rescue Deluxe

• Top of the range rescue harness with rear and shoulder attachments, heavy padding and quick release buckles - use in conjunction with Sala spreader bar on shoulder attachments

Miller Ropax Harness

• Top of the range rope access harness with specially contoured padding

Harneses

Miller Duraflex

• The Miller Duraflex harness is unique, stretching naturally with every movement of the wearer giving a better fit and improved performance

Rope Access Equipment

• Please enquire about our large range of rope access and work at height equipment from manufacturers Miller Troll and Petzel
Communications

Conspace Hardline Communications

- Unique system of Duplex communication which enable the users to work hands free
- Throat mic and earpiece allows compatibility with BA
- Guaranteed to work where radios cannot penetrate

Motorola GP340 ATEX Radio

- Market leading robust radio
- Water resistant and approved to zone 1 use
- Up to 8km use
- Lone worker option
- Up to 16 channels

A full range of radio communications equipment and accessories is available - including base stations, multistation chargers, and various mic and speaker options

Peltor ATEX Muff Radio

- Suited to high noise areas
- VOX - voice activation for hands free operation
- Helmet mounted or headband versions available
- Noise cancelling microphone
- Programmable up to 30 channels
Helmets

Luno Cap
- Based on a climbing helmet but modified to be more compatible where used with a mask
- Integral headtorch clips
- High comfort padding and chinstrap
- Approved to EN397 and EN12492
- Available with skull mic communications for radio or hardline (see communications, page 23)

MSA F2
- Search and rescue helmet providing high level of comfort, easy to wear with other rescue equipment
- Available with a range of accessories, such as goggles and torches
- Approved to EN12492

MSA F1
- Structured fire helmet
- Inner and outer visor
- Mounts for torch, BA mask bracket etc

Solo Unifit
- Full face helmet with integral mask
- Provides respiratory protection and additionally a high level of heat protection for working with fire or potentially volatile areas
- BA port for airline or self contained BA
- Integral communications system, radio or hardline
Gas Tight and Air Supplied Suits

Gas Tight

- Fully tight gas suit
- Can be worn with SCBA
- Can be fitted with an airline pass through
- Layered membrane provides a substantial barrier to gases and chemicals (technical data available on request)
- Integral bootees and boot flanges
- Available in sizes S - XXL

Air Supplied Suit

- PVC Duraskin suit for use with a compressed air supply
- Air distribution system
- Bootees and glove cuffs allow easy glove replacement
- Soft visor avoids cracking
- Male non return valve to prevent contaminant ingress
- Available in sizes S - XXL
- Can be made in different materials to offer superior chemical resistance

Cooling Vest

- Unique cooling action from Phase Change Material (PCM)
- Lasts for up to 3 hours
- Lightweight
- No need to pre freeze
Rescue Equipment

Scott Eagle
Thermal Imaging Camera

- Rechargeable battery
- Large screen and rugged construction
- Easy to use
- Ideal for search and rescue operations in obscured visibility

Reeve Sleeve and Spine Board

- Unique system for casualty transport
- Can be used with or without spineboard
- Facility to carry resuscitation equipment
- Includes packing pads

Troll Evac Splint Stretcher

- Compact roll up design
- Ideally suited to confined space rescue
- Easy to transport

Mobile Decontamination Shower

- Easily assembled decontamination shower and enclosure
Medical Equipment

Sabre Mars Resuscitator
- Time proven design for casualty resuscitation, automatically delivering specific inhalation and exhalation to casualty
- Can be operated manually
- Ideal where there is a possibility of asphyxiation
  - Adult and child settings
  - O2 therapy mask

Meditech Resuscitator
- Smaller, more portable version of the above with all the same features
- Available in confined space options for remote use from the casualty

Defibrulator
- Automatic External Defibrillator
- Used for treating persons suffering from a cardiac arrest
- Designed for the infrequent user - to be as simple as possible
Service and Maintenance

At Breathe Safety Ltd, we provide expert service and maintenance of the full range of respiratory protective equipment (R.P.E.) and confined space equipment, all conducted by qualified and competent engineers.

Equipment is serviced in our fully equipped workshop facilities, including segregated workshops with clean and dirty areas for breathing apparatus, lifting equipment, gas detection equipment, and specialist decontamination. Alternatively, we can perform servicing on site, providing national coverage - an increasingly popular option - saving on downtime, logistics problems etc. Our service programs can be conducted monthly (to comply with COSHH for R.P.E.), quarterly, six-monthly or annual to suit the client’s requirements and ensure legal obligations are met, supported with relevant certification.

Equipment from leading manufacturers such as Scott (Sabre), Drager, MSA, Helmet Integrated Systems, Status Scientific, 3M, Honeywell (BW and Zellweger) and many more, are maintained to the highest standard - and all from one single source!
Scope of equipment covered by our testing and servicing division:

- All types of respiratory protective equipment (full face masks, powered R.P.E., breathing apparatus and suits)
- Breathing air compressors
- Gas detection equipment
- Tripods, winches
- Fall protection equipment – harnesses, safety lines etc
- Recusitation equipment
- Intrinsically safe lighting and ventilation equipment

Ask about our Total Care Program for making monthly servicing of R.P.E. easy and cost effective!

Breathe Safety have produced a package designed to fulfil the requirements of current legislation for maintenance and care of Respiratory Protective Equipment (R.P.E.) on a monthly basis.

The Total Care Programme provides a bespoke service which can be integrated into a site’s already existing equipment or set up in conjunction with the purchase of new equipment. The client is relieved of peripheral maintenance duties, allowing them to concentrate cost effectively on their core activities.
Portable Confined Space Training Unit

The Portable Breathing Apparatus and Confined Space Training Unit is a vehicle mounted facility for providing a dedicated environment for on-site training. This means the client need only provide a suitable classroom for the theory parts of the training.

The unit comprises of three stages which allow for vertical entries from the 2 working platforms, a variety of horizontal entries and a tunnel labyrinth section. Simple vertical entries, to traverses, to special applications for complicated rescue scenarios can be realistically replicated. The tunnel section incorporates a number of hatches which are modified to vary entries as required.

This provides a controlled environment, in which training can be conducted without comprising the realism of typical confined working environments.

A variety of courses from basic levels to rescue courses with different accreditations can be held using the training unit - including the National Occupational Standard - City and Guilds courses.
Features of the Training Unit

- 2 working platforms leading to 2 chambers which are linked with a tunnel labyrinth
- Tripod and Davit arm entry
- Emergency lighting
- Smoke generator and ventilation for exercises in obscured visibility
- Work related scenarios - pipefitting flanges, electrical wiring and lock out system, bringing increased realism to the training
Confined Space, Breathing Apparatus and First Responder Training

Breathe Safety have a portfolio of Confined Space and Breathing Apparatus training courses which have been developed to meet the needs of workers in a variety of hazardous applications.

In situations where life is critical quality of training cannot be compromised. Breathe can provide the assurance you require. Courses can be conducted at our fully equipped training centre or on-site at a customer’s premises (subject to adequate facilities).

In addition to our existing range of courses, training can be tailored to suit a client’s individual specification if required.

Please contact us for a full course listing.
Respiratory Protection
Face Fit Testing

Dramatic growth has been seen in the awareness of face fit testing since its introduction to the COSHH 2002 Regulations.

Optimum performance of a close fitting respirator (disposable mask, half mask or full face mask) can only be achieved if it is established that it is fitting the operator's face properly. (This applies to equipment such as power assisted full face respirators also).

The importance of face fit testing must be matched by adequate training. All operators must be aware of the need of a good fit, as well as undergoing the actual fit test. Breathe Safety provide a comprehensive training service for those requirements.

As a prime service provider with significant experience we attend stakeholder consultations with the HSE to keep abreast of legislative changes relating to all aspects of respiratory protection, in turn providing the best advice to the client.

We have specialised in providing our fit testing service to the pharmaceutical, oil and nuclear industries, where we have a reputation for good practice and the quality of our service.

Using quantitative testing our technicians, which are accredited under the ‘Fit2Fit’ scheme, work to HSE requirements, OC 282/28, the COSHH regulations and other industry specific regulations, ensuring that your work force are effectively face fit tested to the highest standard.
Consultancy and Rescue Team Services

The expertise of Breathe Safety Ltd in confined space entry training and equipment hire has led to our provision of confined space entry support services. With the latest equipment and fully qualified and experienced personnel, Breathe can give you the assurance that your confined space working is in safe hands.

Top Man Service
A trained supervisor for confined space entry is provided with all the basic entry equipment - tripod and winch, harness, gas detectors, escape sets, IS lighting, IS radios etc. This ensures adequate supervision and saves having the cost and logistical problems which are sometimes associated with hiring.

Consultancy
Experienced planners can draft risk assessments, method statements, safe systems of work and permit control. All paperwork complies with HSE guidance and current legislation.

Rescue Team Provision
Fully trained and equipped team members provide pre-planned rescue expertise using special rescue access systems, self contained and airline breathing apparatus. Other rescue equipment includes IS Atex communications and lighting, casualty immobilization equipment and stretchers, ventilators, oxygen resuscitators and defibrillators.

Constant training, state of the art equipment and close team work ensures that our rescue teams achieve maximum efficiency in the event of an incident. Fulfil your duty of care according to the Safe Work in Confined Spaces Regulations for emergencies for complete peace of mind with our dedicated rescue teams.
Dedication to supporting you in the most hazardous environments

Full technical specifications for all products is available on request