

# Fire Fighting & Rescue Equipment





**SafetyLink®**  
Innovative  
Fall Protection

**INDUSTRIAL  
SCIENTIFIC**



**SKYLOTEC**

climb. work. rescue.  
**I|S|C**  
Solutions in Metal

**KANOX®**

**sèkur®**

**OPGAL**  
Beyond the Visible

**ZELINSKY  
GROUP**

**CALGAZ**

**CHEMDEFEND**  
PROTECTIVE CLOTHING

**edc**  
PROTECTION

**3M**

**SCOTT**  
SAFETY



**RESPIREX™**  
Living + Breathing Personal Protection

**ION**

**CIRLOCK**  
LOCKOUT / TAGOUT EQUIPMENT

**JSP**®

**PRO**  
prosafetygear.com

**SAFETY  
GEAR**

**Panindochina®**

**CleanAIR®**



**STREAMLIGHT®**

**NEWTEX®**  
EXTREME PROTECTIVE APPAREL



**MFC** International  
by RESPIREX

ENGINEERED INFLATABLE PRODUCT SOLUTIONS

**THORZT**  
HYDRATE. ENERGISE. PERFORM.

**MAPA®**  
PROFESSIONNEL

**CT**  
climbing  
technology

**CURTISS -  
WRIGHT**

**S+P** Protect

**Thorogood**  
SHOES

**frontier®**  
SAFETY INDUSTRIAL FOOTWEAR

**INNO  
TEX**®

**PRATT**  
SAFETY SYSTEMS

Windsock Company

**PID**  
PROTECTIVE INDUSTRIAL PRODUCTS

**NEWAGE** FIRE PROTECTION  
INDUSTRIES PRIVATE LIMITED

**TOBIN** EYEWASH SYSTEM

**THE  
SEAHORSE**

**KLEVER  
INNOVATIONS**

**LW**  
COMPRESSORS



## About us

**Being an established provider of safety equipment and its services in Vietnam, our main motivational factor comes from customers' satisfaction via our quality product and services. We aspire to become an integrated Provider/ Partner with a leading presence in Indochine.**



### OUR VISION

To be a highly valued products and services provider in the manufacturing and services providers market, using progressive management practices and knowledge based skilled employee.



### OUR GOALS

To build a core range of safety products with high quality and performances appreciated by users for it's value and meeting the demands by users to protect lives.

To ensure and build the company to be able to translate these values to the general market users.

To explore and introduce other related potential business units which would help customers with their supply chains.

To continuously plan for growth for the company and it's workforce.



### OUR MISSIONS

Panindochina aims to set up distribution network of dealers and regional sales team to reach out and service customers in major regions of Vietnam.

Panindochina has set up facilities to support after sales service needs of our customers for the products we supply.

Panindochina has set up growth plans for the company and it's workforce to achieve it's Vision and Mission.



### OUR VALUE

Quality product orientated for value and performances.

Teamwork of employees for best customer supports.

Market awareness for best communications between users, manufacturers, supplier and company of market need.

## Why Choose Us

### Employees

Over 25 trained Employees to cover for our operation, and development of the company

### Partners

Over 10 Official Partners in the distribution product and its services in whole Vietnam and Cambodia

### Collaborated with the manufacturers

Collaborated with the manufacturers to conduct the training for the safety product to the customers

### Local Cultural

Understanding & Respecting the Local Cultural

### Manufacturers and Partners

Over 30 well-known oversea Manufacturers and Partners to assure the Technical Support, Supplying Chain and Services

### Qualified and Certified Technicians

By the manufacturers (3M-Scott Safety, Industrial Scientific; Skylotec; SafetyLink) to assure about the technical support after sales in Vietnam

### System

Professional management system

### Closely Collaboration

Closely Collaboration with the customer and the manufacturer



## SELF CONTAINED BREATHING APPARATUS (SCBA)

### ProPak-fx-EZ-Flo



The 3M™ Scott™ ProPak-fx EZ-Flo is a Type 2 open circuit, self-contained, compressed air breathing apparatus. It consists of a back plate, padded carrying harness and pneumatic system, containing a cylinder connector, reducer, pressure gauge, whistle and demand valve.

Performs in the toughest environments.

The 3M™ Scott™ ProPak-EZ-Flo utilises the proven EZ-Flo Demand Valve, as seen on the 3M Scott AirPak™ SCBA. ProPak-EZ-Flo enables the use of AV-3000 HT which features connections to advanced communications and situational awareness devices. ProPak-EZ-Flo is available in standard and CBRN variants, for protection in the toughest environments.



#### Features:

Adjustable padded shoulder straps

Rapid connect cylinder band allows adjustment or change out of cylinder in seconds

Reflective thread for visibility

Ergonomically designed, strong and lightweight injection moulded back plate

Kevlar® blend webbing with wrap-around harness

Adjustable back plate allows the unit to be altered to the users height increasing user comfort (ProPak fx only)

Adjustable waistband features large buckles for quick and easy donning and doffing

Swivelling waistbelt (ProPak fx only)

#### Specifications:

##### Weight/Dimensions:

Weight:

Single configuration without facemask (less cylinder)  
ProPak-fx EZ-Flo 3.55kg and ProPak-f EZ-Flo 3.75kg

Single configuration and facemask (less cylinder)  
ProPak-fx EZ-Flo 4.30kg and ProPak-f EZ-Flo 4.5kg

Length: 630mm  
Width: 285mm  
Depth: 220mm

# Self Contained Breathing Apparatus



## Sigma 2 Type 2 (V2)

Approved to EN137:2006 Type 2, the Scott Sigma 2 Type 2 Self Contained Breathing Apparatus combines the highest level of respiratory protection in a simple to operate, cost effective piece of equipment that meets the needs of Industrial and Marine firefighters. Sigma 2 Type 2's proven durability, reliability and appeal is confirmed by an extensive user base who demand a combination of maximum performance and true operational simplicity.

- Proven high performance pneumatic system.
- Compact first breath activated demand valve with bypass.
- Ergonomically designed lightweight backplate and type 2 harness.
- Kevlar blend flame retardant webbing with Kevlar cylinder band.
- Wide choice of facemasks from the Vision 3, Promask PP and Panaseal ranges.
- Corrosion resistant Nickel plated components.
- Simple operation for users.
- All components are user serviceable, low cost and easy to maintain.
- Will accept wide range of 200 and 300 bar cylinders.

Approved to EN137:2006 Type 2, MED.

### Specifications:

#### Weight/Dimensions:

Weight:	Single configuration (less cylinder) 2.3kg
	Single configuration and facemask (less cylinder) 2.9kg
Length:	600mm
Width:	278mm
Depth:	(with 6.8 litre 300 bar cylinder) 200mm



## ProPak-f (V2)

The 3M™ Scott™ ProPak-f is designed for use by the fire service or as a fire fighting set in the oil and gas or industrial markets with added padding for improved comfort. The entire 3M™ Scott™ ProPak range has been approved to EN 137:2006 Type 2, incorporating the stringent Full Flame Engulfment Test, and to the latest amendment of the MED.

- EN 137:2006 Type 2, MED Approved Breathing Apparatus
- Designed for use by the fire service or as a fire fighting set in the oil and gas or industrial markets
- Rigid backframe construction
- No tools required to remove pneumatics
- Simple to service and maintain
- Upper and lower harness padding for improved comfort
- Available with the AV-3000 HT facepiece and EZ-Flo demand valve

### Specifications:

#### Weight/Dimensions:

Weight:	Single configuration (less cylinder) 2.3kg
	Single configuration and facemask (less cylinder) 2.9kg
Length:	600mm
Width:	278mm
Depth:	(with 6.8 litre 300 bar cylinder) 200mm



## ProPak Sigma (V2)

The 3M™ Scott™ ProPak Sigma has been designed for use as a compliance set in marine or industrial fire fighting environments as a cost-effective solution with minimal padding.

The entire 3M™ Scott™ ProPak range has been approved to EN 137:2006 Type 2, incorporating the stringent full flame engulfment test and the MED.

### Specifications:

#### Weight/Dimensions:

Weight:	Single configuration (less cylinder) 2.6kg
	Single configuration and facemask (less cylinder) 3.2kg
Length:	630mm
Width:	285mm
Depth:	(with 6.8 litre 300 bar cylinder) 215 mm



## ProPak-fx (V2)

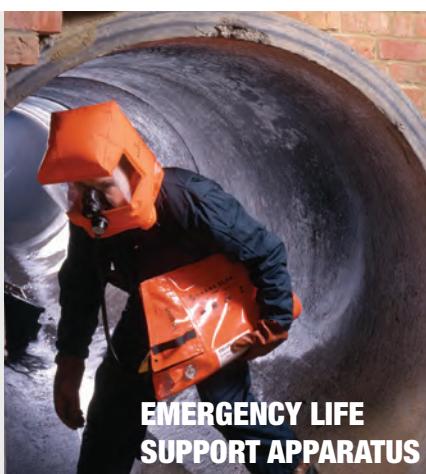
The 3M™ Scott™ ProPak-fx SCBA has been designed specifically to meet the demands of the fire service offering performance and user comfort through the adjustable backplate. The entire 3M™ Scott™ ProPak range has been approved to EN 137:2006 Type 2, incorporating the stringent Full Flame Engulfment Test and MED.

- EN 137:2006 Type 2 MED approved breathing apparatus
- Designed specifically for use by the fire service
- Rigid backframe construction with adjustable backplate
- No tools required to remove pneumatics
- Simple to service and maintain
- Padded upper and lower harness with an articulating and height adjustable waist pad for the ultimate in user comfort

### Specifications:

#### Weight/Dimensions:

Weight:	Single configuration (less cylinder) 2.6kg
	Single configuration and facemask (less cylinder) 3.2kg
Length:	630mm
Width:	285mm
Depth:	(with 6.8 litre 300 bar cylinder) 215 mm



## ELSA-15-B

The 3M™ Scott™ ELSA (Emergency Life Support Apparatus) is designed for rapid escape from hazardous industrial and marine environments.

Emergency Life Support Breathing Apparatus is a concept originally pioneered by 3M™ Scott™ Fire & Safety under its Sabre Breathing Apparatus brand and the original design principles continue to this day.

Designed to be simple and quick to operate, reliable and robust in use and performs to the European Standard EN 1146:2005.

- Breathing apparatus provides a constant supply of air for quick escape from hazardous industrial and marine environments
- Automatic quick-fire activation triggered by opening the carrying bag
- Cubic hood design with large visor area and ori-nasal mask for reduced carbon dioxide dead space
- Designed for reliability, robustness and ease of use for maximum protection in an escape situation



### Specifications:

#### Weight/Dimensions (with steel cylinder)

15 minute bag version	
Weight:	5.6kg
Length:	520mm
Width:	340mm
Depth:	135mm



# POSITIVE PRESSURE FACEMASKS FOR SCBA & AIRLINE



## AV-3000 HT

The AV-3000 HT is a high performance facemask, manufactured using innovative materials which have been engineered to provide enhanced thermal durability and improved wearer safety in the most extreme conditions.

The face seal utilises proven SureSeal technology for maximum comfort, the dual seal provides a secure fit, the Kevlar® head harness reduces discomfort under helmets and the large visor provides excellent vision.

Dual speech diaphragms offer voice transmission around the wearer, with optional right or left Epic Communications bracket for maximum versatility

- Approved to EN 136 Class 3, \* BS 8468-1 and BS 8468-2
- High performance lens and bezel for improved thermal performance
- High temperature visor
- Right or left Epic Communications bracket for maximum user choice
- Speech diaphragm on both sides for improved voice transmission
- Kevlar® or rubber head harness suitable for fire or industrial applications, including CBRN environments
- Anti-fog coating on lens to reduce fogging
- Thermal performance passes EN 137 flame engulfment as well as NFPA thermal radiant heat requirement of 15 kW/m<sup>2</sup>
- Available in 3 sizes

### Approvals:

CE marked in accordance with EN 136:1998 Class 3

CE marked in accordance with EN 137:2006 Type 2 when used in conjunction with 3M Scott ProPak SCBA

BS8468-1 when used in conjunction with 3M Scott ProPak-EZ-Flo CBRN SCBA

AS/NZS 1716:2012

BMP 540244



## Vision 3

- Positive-pressure face masks with a liquid silicone rubber outer mask with reflex seal and TPE ori-nasal inner mask
- Designed for use with the entire range of 3M™ Scott™ breathing apparatus
- Multicurvature polycarbonate visor provides excellent panoramic vision
- Allows the user to wear integrated spectacle frames without compromising the face mask seal.

The Vision 3 face masks are designed to be used with the 3M Scott range of breathing apparatus, from the Professional Fire Fighting SCBA to the Airline and escape breathing apparatus range. The multicurvature face mask visor provides excellent panoramic vision and is made of a scratch- and impact-resistant polycarbonate material with a scratch resistant coating. The face mask allows the user to wear integrated spectacle frames without compromising the face mask seal. The face mask features a left-hand side bayonet connection for the demand valve. A speech diaphragm is mounted at the front of the mask to offer unimpeded speech transmission and includes a low-resistance positive-pressure exhalation valve to allow for normal breathing when used in positive pressure mode. CE marked in accordance with EN 136:1998 Class III. CE marked in accordance with EN 137:2006 Type II when used in conjunction with approved 3M Scott SCBA. CE marked in accordance with EN 14593-1 when used with 3M™ Scott™ airline equipment. AS1716/NZ.

### Approvals:

CE marked in accordance with EN 136:1998 Class III

CE marked in accordance with EN 137:2006 Type II when used in conjunction with approved 3M Scott SCBA

CE marked in accordance with EN 14593 when used with 3M™ Scott™ airline equipment

AS1716/NZ



## Promask

- Positive-pressure face masks with Procomp (bromobutyl/EPDM) outer mask with reflex seal and TPE ori-nasal inner mask
- Designed for use with the entire range of 3M™ Scott™ breathing apparatus
- Single-curvature polycarbonate visor provides excellent panoramic vision
- Allows the user to wear integrated spectacle frames without compromising the face mask seal.

Promask face masks are designed to be used with the 3M Scott range of breathing apparatus, from the Professional Fire Fighting SCBA to the Airline and escape breathing apparatus range. The single-curvature face mask visor provides excellent panoramic vision and is made of a scratch- and impact-resistant polycarbonate material with a flame-retardant coating. The face mask allows the user to wear integrated spectacle frames without compromising the face mask seal. The face mask features a left-hand side bayonet connection for the demand valve. Option for additional right-hand quick-fit port or ECB to take a communications interface. A speech diaphragm is mounted at the front of the mask to offer unimpeded speech transmission and includes a low-resistance positive-pressure exhalation valve to allow for normal breathing. CE marked in accordance with EN 136:1998 Class III. CE marked in accordance with EN 137:2006 Type II when used in conjunction with 3M™ Scott™ Propak. CE marked in accordance with EN 14593-1:2005 when used with 3M™ Scott™ airline equipment.

### Approvals:

CE marked in accordance with EN 136:1998 Class III

CE marked in accordance with EN 137:2006 Type II when used in conjunction with 3M™ Scott™ Propak

CE marked in accordance with EN 14593:2005 when used with 3M™ Scott™ airline equipment



## EPIC 3 RDI Voice Communication System

The 3M™ Scott™ EPIC 3 RDI Voice Communication System enhances SCBA facepiece voice intelligibility and delivers clear two-way radio communications when operated with compatible handheld field radios and remote speaker microphones.

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

- Clear communication when and where you need it
- Operates with compatible handheld field radios and remote speaker microphones
- Works with a broad range of 3M Scott SCBA and PPE equipment
- Multi-purpose utility consolidates devices while reducing costs
- User friendly operation and ergonomics
- Durable, reliable purpose-built design with high-heat rated construction
- Easy and flexible device configuration



## EPIC 3 Voice Amplifier

Effective communication is essential for first responders, who often face life-threatening scenarios. Developed in response to the needs voiced by fire fighters and other emergency workers, the 3M™ Scott™ EPIC 3 Voice Amplifier offers first responders wearing respiratory protection equipment reliable, hands-free, person-to-person communications. The EPIC 3 Voice Amplifier provides a dependable, easy-to-use means of voice communications with added features such as auto shut-off and directional speaker. When communication is critical, connect with 3M™ Scott™ EPIC communications products.

- Voice amplifier apparatus provides a reliable way for hands-free, person-to-person, voice communication in life-threatening situations
- Features high-sensitivity microphone with auto gain control and breath detection technology, as well as custom directional speaker with auto-shut off
- Designed for durability with temperature resistance as high as 1000 degrees Fahrenheit/520 degrees Celsius
- Withstands six-foot drops on all sides (version 1.8 meters)



## EPIC 3 RI Voice Communication System

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 3M Scott SCBA and personal protective equipment (PPE).

- Enhances SCBA facepiece voice communication intelligibility and loudness
- Advances safety through easy-to-use wireless communication interoperability with mobile field radios
- Provides easy transition from non-tactical to tactical communication modes
- Ensures operational compatibility with both legacy and new Scott SCBA and PPE
- Consolidates device functionality to reduce technology costs
- Supports individual issue and device sharing usage for deployment flexibility
- Easily programmable to address specific user or task requirements



### Regulatory approvals and certifications

NFPA 1981 2002, 2007, and 2013 Edition standards for SCBA communications.

ATEX/IECEx certifications include Ex ia IIB T3 Ga IP66/67 and complies with IEC standards IEC 60079-0: 2007-10 Edition 5; and IEC 60079-11: 2011 Edition 6.0

### Battery life:

Alkaline AAA  
NiMH Rechargeable AAA

Greater than 50 hours  
Greater than 40 hours

### Configuration:



Epic 3 Voice Amplifier configuration for AV3000



Epic 3 Voice Amplifier configuration for Promask



Epic 3 Voice Amplifier configuration for Vision 3



## AIRLINE BREATHING APPARATUS

### Modulair Airline Trolley

The Modulair by 3M™ is a compact, easy to use airline trolley system designed to provide portable clean air in restricted access areas.

Versatile and robust, it consists of a lightweight stainless steel hose reel unit and cylinder frame that can be used independently or together.

The frame is designed to carry a pair of cylinders and where required an additional frame can be vertically stacked to allow connection of up to four cylinders.

This in conjunction with proven 300 bar high performance pneumatics delivering up to 1000 litres of breathing air per minute, permits four people to work at the same time.

Long duration operation is made simple through adjustable cylinder bands and high pressure cylinder connectors to accommodate a variety of cylinder sizes at both 200 and 300 bar.

### Approvals:

The Modulair by 3M™ is certified to AS/NZS 1716:2012  
The Modulair is also CE marked in accordance with EN139



### Flite COV Airline

Positive pressure supplied air respirator that also provides emergency respiratory protection and escape capability. Allows user to enter IDLH (Immediately Dangerous to Life and Health) environments

If air flow from primary supply gets cut off, apparatus automatically switches to emergency cylinder air supply

Warning whistle alerts user that apparatus has switched to cylinder air

Approved for use with the 3M™ Scott™ Vision 3 and 3M™ Scott™ Promask PP full face masks

Simple to operate and maintain



The 3M™ Scott™ Flite COV (Change Over Valve) is a positive pressure supplied air respirator that also provides emergency respiratory protection and escape capability. This allows the user to enter hazardous atmospheres including those identified as Immediately Dangerous to Life or Health (IDLH).

### Specifications:

#### Weight:

Flite (less cylinder): 1.9kg

Flite with 10 minute cylinder (3.5kg): 5.4kg

Flite with 10 minute superlight cylinder (2.3kg): 4.2kg

Flite with 15 minute cylinder (5.6kg): 7.5kg

Facemask (approximate): 0.7kg

### Accessories:



#### ▼ 'Y' Piece

Constructed from nickel-plated brass, with 2 Female Socket CEN type couplings and 1 male coupling, the Y-piece allows a single length of hose to be split into two branches.

A Y-piece is usually used at the end of a long length of hose and then followed by 3 metre or 15 metre lengths of hose



#### ▼ HP-Red2

Reduces high pressure air from a single cylinder to medium pressure. As standard the HP-RED2 has a high pressure gauge fitted to display cylinder content. A 55 bar whistle is available together with a selection of connections to fit different types of cylinders.



#### ▼ AFU 2 & AFU 4

The AFU is an Airline Filter Unit designed to remove dirt particles, water and oil from a breathable air supply for use with compressed-air airline breathing apparatus. AFU is available in two sizes, dependant upon the maximum flow-rate required:

- AFU 2 has a maximum flow capacity of 13 litres per second (28 cubic feet per minute) at 7 Bar G (100 psi G).
- AFU 4 has a maximum flow capacity of 25 litres per second (53 cubic feet per minute) at 7 Bar G (100 psi G).



#### ▼ Airline Hose

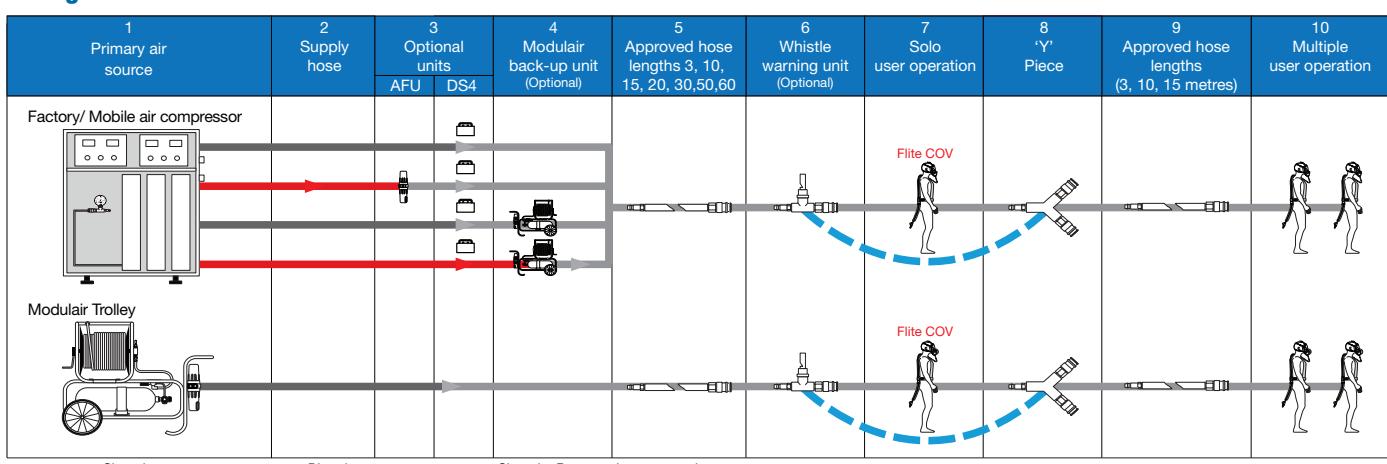
All supply hoses are CE marked to EN 139 and are approved with the full range of Airline Breathing Apparatus.

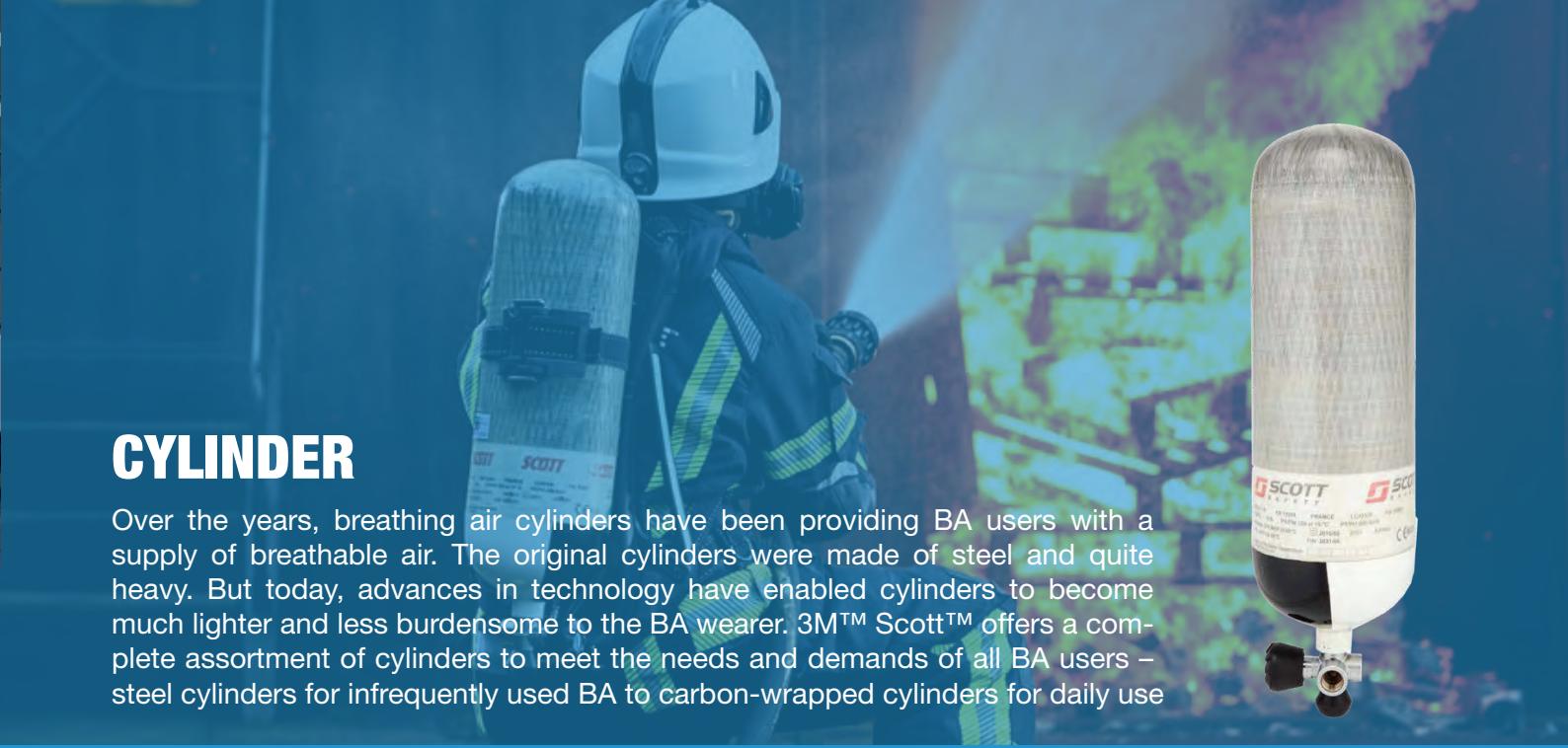
Available in 3, 10, 15, 20, 30, 50, 60 and 90 meter lengths.

Each hose is fitted with a male (stainless steel) and a female (Plated brass body with Stainless Steel Bearings) CEN double action type coupling;

Hoses can be connected together to increase airline length.

### Configuration:





# CYLINDER

Over the years, breathing air cylinders have been providing BA users with a supply of breathable 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 BA wearer. 3M™ Scott™ offers a complete assortment of cylinders to meet the needs and demands of all BA users – steel cylinders for infrequently used BA to carbon-wrapped cylinders for daily use

## SCBA Cylinder

### Steel Cylinder

Cost effective steel construction

300 Bar charging pressure

Manufactured to Applicable CE/ISO standards, PED approved

For infrequently used breathing apparatus

### Carbon Fibre Fully Wrapped Aluminium Composite Cylinder

3M™ Scott™ cylinders are built to applicable CE, PED, and ISO specifications

Lightweight, composite cylinder consisting of an aluminium alloy inner shell with a total overwrap of carbon fibre, fibreglass and an epoxy resin

Available in variety of sizes for BA and escape set use

### Carbon Fibre Fully Wrapped Aluminium Composite Cylinder

#### Nonlimited-Life (NLL)

New, Nonlimited-Life Cylinders Allow For Extended Lifetime Use Provided Cylinders Continue To Pass Hydrostatic Testing.

Longer Life For A Lower Overall Cost Of Ownership.

Non-Limited Life.

Cap And Boot Standard (Required).

## Escape Cylinder

### Steel Cylinders

Cylinder for use with Flite COV

Manufactured to Applicable CE/ISO standards, PED approved

200 Bar Steel Cylinder

Delivered with pouch and reducer / hose

### Carbon Fibre Cylinders

Cylinder for use with Flite COV

Manufactured to Applicable CE/ISO standards, PED approved

300 Bar Super Light Carbon Fibre Cylinder

Delivered with pouch and reducer / hose

## MAINTENANCE/CLEANING

Scott Safety recommends that these basic regular maintenance procedures be followed for all composite cylinders:

- Ensure lubricants, if used, and components are compatible with both the cylinder and the gas mixture
- Keep the inside of the cylinder free from moisture, oil, dirt and other contaminants.
- Avoid completely discharging your cylinder
- Never artificially heat your cylinder
- Never remove, obscure or alter cylinder labels or markings
- Never use corrosive, caustic or acidic paint strippers or solvents to remove paint.
- Never repaint the cylinder with paints that require curing at elevated temperatures.
- Do not fill cylinder if damaged

## STORAGE

The cylinder must be stored in a dry, cool, clean place free from acids, oils, grease, or highly combustible materials.

Store away from direct heat and sunlight, storage temperature should not exceed -10°C to +40°C. Do not store the cylinder in a place where welding operations are likely to take place.

## PERIODIC INSPECTION AND TESTING

Cylinders shall be subjected to periodic inspection and testing by an approved test station according to the requirements of AS 2030.1-2009.

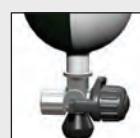
## DISPOSAL

Empty cylinders should be treated as special waste and disposed of according to local and state guidelines.

## VALVE TYPE



RA-Valve



T-Valve

Description	Article numbers	Water capacity (litres)	Air capacity (litres)	Life (year)	Colour	Regulatory	Shell dimensions (diameter x length)	Shell weight (kg)	Charged weight (kg)	Duration at 40 lpm (minutes)*	Valve
Carbon Fibre Wrapped Aluminium Liner											
300 bar											
CYL-FWC-1860	2006640: EMPTY 2018942: RA-EMPTY	6.8	1860	15	Unpainted gel-coat	CE: PED ISO11119-2	157 x 530	4.2	7.3	46	T-Valve RA-Valve
CYL-FWC-1860-RA-NLL	2033223: RA-NLL-EMPTY	6.8	1860	NLL	Unpainted gel-coat	CE: PED ISO11119-2	159 x 515	3.9	7.0	46	RA-Valve
Flite COV – Supplied Air Respirator											
200 bar											
CYLFWC-1860	2031538: EMPTY	3.0	600	15					5.6	7.5kg	15



## THERMAL IMAGER

### V320

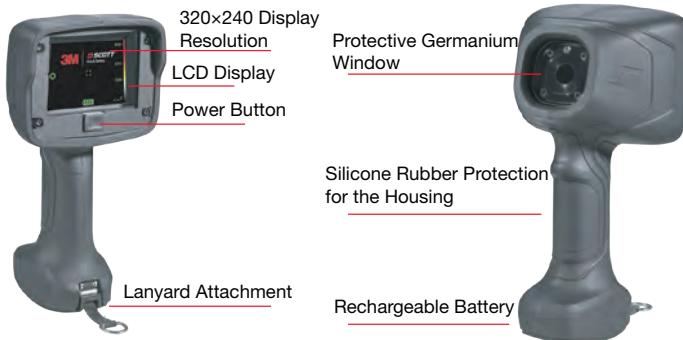
Today's firefighters operate in extreme conditions, where temperatures are capable of rising faster and where visibility is reduced in seconds.

Conditions within these environments can put firefighters in situations where their safety is compromised and they must have a complete understanding of the environment. The V320, featuring a 320x240 sensor, and equipped with extended battery life, provides firefighters with enhanced situational awareness that enables firefighters to make better decisions in extreme conditions.



- 320x240 Resolution Sensor
- Provides clear images enabling firefighters to navigate through limited-visibility conditions.
- Single Button
- Single button ON/OFF provides easy deployment. No menus required.
- Extended Battery Life
- Up to Eight-hour runtime with a removable rechargeable battery.
- 3.5" High-Contrast Display
- Ensures the image on the display can be seen in multiple light conditions.

Tactical Thermal Imaging Camera



LCD User Interface



### SCOTT SIGHT

When you wear Scott Sight, you get more than constant thermal vision. You get your hands back. That's because unlike other hand held thermal imaging cameras, Scott Sight combines a camera with a display in the face piece without the need for reaching down and lifting a camera up.

Firefighters now have both hands free for effective communication, victim extraction and carrying tools.

#### Simultaneous Power Off

- Power off both the IMD & TIC by a single button press on the IMD..

#### IMD Instantaneous On

- Power the IMD on with a 1 second push on the IMD power button.

#### Standby Mode

Activate Standby Mode with a single push of the TIC power button.

- Powerful and light

At 8 1/2 ounces you won't even know it's there.

- Enhanced situational awareness

Improved hot zone accountability.

- Fits any AV-3000 HT facepiece

Buy altogether as a completed kit or upgrade your current AV-3000 HT facepiece.

- In-mask Display

See a clear image unobstructed by the environment.

- Adjustable display

Configurable to your line of sight

- Minimum four-hour battery life

Powered by simple, everyday AAA batteries

Provides baseline, hands-free thermal intelligence



Compatible with AV-3000 HT facepiece



Provides optimal focus and unobstructed field of view



# Breathing Apparatus Compressor

## LW 100 E1

The LW 100 ECO compressors are lightweight, reliable and ideal for mobile use. They are made of 100% proven elements from our successful LW 100 series. The main components such as e.g. Motor, compressor block, filter system and filling device are used completely from this series. The steel piston rings in the compressor stages provide long term consistent delivery performance (fill time).

### Specifications

- Petrol compressor c/w pull start and auto cut off at low oil level
- Aluminium frame
- Manual condensate drain
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- All pistons with piston rings
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 100 B

The gasoline-powered LW 100 B is a particularly lightweight and reliable air compressor. It's a very low maintenance compressor and ideal for mobile use. Due to the seawater resistant stainless steel frame and the painted block it is very popular in seawater environments. The steel piston rings in the compressor stages provide long term consistent delivery performance (fill time).

### Specifications

- Petrol compressor c/w pull start and auto cut off at low oil level
- Stainless steel frame
- Manual condensate drain
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- All pistons with piston rings
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 160 E / E1

Portable compressors without compromising power and capacity. The L&W 160 E/E1 compressors are compact and extremely easy to operate, the units have established themselves over the years as reliable compressors. The compressors are ready to run and come with a cable, plug and phase selector switch for easy direction of rotation control. Ideal for small applications or sporadic filling operations.

### Specifications

- Electro motor ((E-Motor / 230V / single phase / 50Hz for 160 E and E-Motor / 400V / three phase / 50Hz for 160 E1)
- Power cable with plug
- Start/Stop Switch
- Stainless steel frame
- Manual condensate drain
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- All pistons with piston rings
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 190 B

The user-friendly compressor with 4-stroke power in a compact design is a popular alternative for expeditions and safaris. The LW 190 B is portable and therefore ideal for mobile applications or occasional filling operations.

### Specifications

- 4 stroke drive motor c/w pull start and auto cut off at low oil level
- Steel frame c/w carrying handles
- Manual condensate drain
- 2.5 m air intake hose
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Stainless steel pipes
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 225 E

User-friendly compressor with electric motor and in a compact design. The portable LW 225 E is ideal for mobile applications or occasional filling operations.

### Specifications

- Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- Power cable with plug and phase selector
- Start/Stop Switch
- Steel frame c/w carrying handles
- Manual condensate drain
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Stainless steel pipes
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 245 B

User-friendly compressor with 4-stroke power and in a compact design. The portable LW 245 B is ideal for mobile applications or occasional filling operations.

### Specifications

- 4 stroke drive motor c/w pull start and auto cut off at low oil level
- Steel frame c/w carrying handles
- Manual condensate drain
- Inclusive air intake pipe
- Pressure maintaining and non return valve
- 1x Filling hose c/w filling valve and pressure gauge
- Intermediate coolers
- Stainless steel pipes
- Oil- / Water separators after 2nd and 3rd stage
- Safety valves after each stage
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice
- (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



# Breathing Apparatus Compressor

## LW 280 ES

The LW 280 ES is ideal for dive shops, diving clubs and diving schools, as well as medium-sized breathing air filling station. The three-stage compressor is sound insulated and operates at low speed. It is also suitable for continuous operation. It offers long service intervals, low maintenance costs and, through the oversized industrial components maximum reliability. It comes fully wired with star/delta start cycle.

### Specifications

- Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- Painted steel housing (RAL 6026)
- Sound insulated housing
- Automatic condensate drain
- Automatic stop at final pressure
- Hour counter
- Operating panel with start/stop and condensate test button, as well emergency stop switch
- 2 x Filling hose c/w filling valve
- Motor protection switch
- Pressure maintaining and non return valve
- All pistons c/w steel piston rings
- Low pressure oil pump and filter
- Oil- / Water separators in stainless steel
- Safety valves after each stage
- 3x concentric suction/pressure valves
- Filling pressure to your choice (200 or 300 bar)
- Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## LW 570 ES

The sound insulated LW 570 ES is a very slow running compressor with very low maintenance intervals and main-tenance costs. It is suitable for continuous operation and comes fully wired with star / delta connection. The 4-stage compressor block is very reliable and is used for large and professional applications.

### Specifications

- Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- Painted steel housing (RAL 6026)
- Sound insulated housing
- Automatic condensate drain
- Automatic stop at final pressure
- Hour counter
- Operating panel with start/stop and condensate test button, as well emergency stop switch
- Motor protection switch
- Safety switch
- Maintenance doors on both sides
- Pressure maintaining and non return valve
- All pistons c/w steel piston rings
- Low pressure oil pump and filter
- Oil- / Water separators in stainless steel
- Safety valves after each stage
- 4 concentric suction/pressure valves
- High pressure outlet 10L
- Connections to your choice (DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)

Breathing air purification an accordance to EN 12021



## STORAGE CYLINDERS

Storage tanks are frequently used to provide extra filling capacity during peak periods (with or without cascade filling panels).

Ideally, the storage pressure should be higher than the filling pressure. A fully automatic control system for compressors is recommended (e.g. ECC). L&W provides different storage systems in modular design, starting from 10 m<sup>3</sup> storage volume up.

Our cascade filling panels are available for one to four stages operation. Tell us your requirements and we will calculate your individual system.

### Specifications

- Stationary steel tanks 10 year hydro test, powder coated in accordance with EN 1089/3
- Powder coated according to EN 1089/3
- Special paintings on request
- 50 l tank size
- Operation pressure: up to 350 bar
- Operation pressure: 420 and 500 bar on request
- Painted steel housing (RAL 6026)
- Connected according to customer's specifications
- Modular construction to accommodate future expansions



## Pressure Reducing Stations

Ideal for safe reducing storage pressure down to the required filling pressure. The pressure reducing stations are available for various inlet and outlet pressures and volumetric flows



Pressure reducing station with safety valve



Pressure reducing station with TÜV/ CE safety valve

## Pressure Reducers



Inlet: 100 - 420 bar | 2 x 1/4" NPT  
Outlet: 27 - 300 bar | 2 x 1/4" NPT  
Gas: Air, Inert gases



Inlet: 100 - 420 bar | 1 x 1/4" NPT  
Outlet: 27 - 300 bar | 1 x 1/4" NPT  
Gas: Air, Inert gases



Inlet: 0 - 6 bar | 1 x 1/2" Outlet: 150 mbar - 6 bar | 1 x 1/2" Gas: Air, Inert gases



Inlet: 100 - 300 bar | G5/8" DIN 477  
Outlet: 0 - 50 bar | G1/4"  
Gas: Air  
Inlet: 0 - 200 bar | W 24,3 x 1 /14 LH  
Outlet: 0 - 20 bar | G1/4"  
Gas: Nitrogen  
Inlet: 0 - 200 bar | W 21,8 x 1/14 LH  
Outlet: 0 - 20 bar | G1/4"  
Gas: Hydrogen, Helium



## STRUCTURAL FIREMEN SUIT

### DENVER



#### Structural fire-fighting jacket

- High neck provided with frog, fixed by Velcro tape
- The lower sleeve can be adjusted by frog and Velcro tape
- The breast pocket is designed for handy radio
- Two pockets are cut horizontally, at the waist level, closed by flap, held by Velcro tape
- The left pocket is provided with frog with metallic spring-catch
- The right side of the breast is provided with some velcro tape, for name badge
- At the back, there are two parallel horizontal Velcro tape stripes
- Fluorescent/retroreflective FR bi-colour bands are placed on the jacket by stitching

#### Structural fire-fighting trousers

- EN 469 waist trousers with central opening closed by means of a metallic zipper
- Two bellow pockets are applied at the sides with flap closed by Velcro tape
- The lower leg is smooth
- At the knee level, there are two pockets closed by Velcro tapes, used for additional padding
- Some yellow/silver stripes (5cm wide) are placed on the external part of the legs

### SUPER ARMOR PREMIUM



Prepare for the pinnacle of protection with Super Armor Premium – the epitome of advanced firefighting gear. Engineered for strength and durability, Super Armor Premium stands as a formidable shield against the most intense fire environments. At its core lies a three-layer assembly of fabrics sourced exclusively from Kanox and Mazic – renowned for their inherent fire-resistant properties

#### Structural fire-fighting jacket

- Shoulder & elbow area are reinforced by Jacquard fabric
- 3D-tailored elbow & buffer designed armpit
- Anti-wicking fabrics at sleeve end and coat hem
- Fire resistant wristlet with thumb hole
- Patch pocket, radio pocket, utility loops for torch and microphone
- Port for lining inspection (option)
- Drag Rescue Device (option)
- Incorporated RFID chip (option)

#### Structural fire-fighting trousers

- High-rise kidney protection (option)
- Hem at leg bottom curved upwards at heel area
- 3D-tailored knee area
- Removable knee padding (option)
- Two points suspenders with Mazic® Comfort shoulder pad (option)

### INNOTEX® RDG10



Unique patented 3" BR 1™ four-layer collar. (US Patent 6 481 018)

Inverted L-shaped storm flap with integrated throat closure. Faster donning. Eliminates gaps around throat

Preformed sleeves and underarm gussets: increase mobility, minimize arm restriction and coat rise.

Polymer-coated aramid cuff reinforcements.

Two waist adjustment straps in black webbing with thermoplastic buckles. Hook & loop closure on outer fly flap with hook and D-ring safety clasp. 5-layer fly protection.

Regular knees with polymer-coated aramid reinforcement and one extra layer of padding (14oz Nomex® felt).

#### Outer Shell

- Brigade™ 750 yellow: Plain weave, water-repellent finish

• Content: 93% Nomex® / 5% Kevlar®/ 2% Carbon

• Weight: 7.5 oz/yd<sup>2</sup>

#### MoistureBarrier

- Stedair® 3000

• Substrate: Nomex®/non-woven spunlace.

• Film: Bi-component ePTFE membrane.

• Total weight: 5.2 oz/yd<sup>2</sup>

#### Thermal Liner

• Cloth: 50% Meta-aramid, 50% FR modacrylic (spun)

• Batting: Reprocessed Aramid, FR rayon, needle punch, non-woven

• Total weight: 8.0 oz/yd<sup>2</sup>

# Aluminium Fire Fighting Clothing



## 10150N

Aluminised one piece overall lined inside with wool fabric with pouch for holding and protection of breathing apparatus

- Front fastening by metal zipper protected by flap closed by metal snaps
- The boots, fixed to the overalls, are provided with adjustable straps and back regulation system by metal snaps
- The soles made of high temperature resistant material covered in the inner part with wool and in the outer part with an anti-skid and against cutting KEVLAR bouclette
- Five finger gloves gauntlet style with inner electrical insulation woollen fabric, total length 500 mm
- Adjustable inner safety helmet according EN-397
- The hood can be used with a full face mask and with the breathing apparatus

The suit is EC approved on the ground of EN-469 EN-1486 TYPE 2 for PROXIMITY SPECIALIZED FIRE-FIGHTING.  
Available sizes S-M-L.



## 10173N

Aluminised 5- piece overall, internally lined with woollen fabric. It is provided with pouch for breathing apparatus

- Wide shape, frontal opening fastened by press stud covered by flap
- Elastic round lower sleeves and legs
- Trousers provided with adjustable braces and elasticised waist
- The boot soles are made of high temperature resistant material
- Five -finger gloves with long cuff and split leather reinforcements on the palm
- Wide hood allowing the use of a mask for breathing apparatus

The overall is a 3rd category safety equipment, EC approved according to EN 1486 Type 2 standards as proximity specialised firefighting suit.

The overall is available in S-M-L size



## 10900N

Two pieces fire entry suit with external aluminised fabric style FIRETEX and 6 insulation layers.

- Jacket with pouch on shoulders, raglan sleeves and front fastening by means of metal snaps protected by flap closed by metal snaps, high Korean style collar.
- Trousers with elasticised adjustable suspenders, and adjustable strap at the bottom
- Booties with adjustable straps, full grain leather thickness 5mm. sole lined with Kevlar outside and wool inside; the sole is connected to the upper by metal nails.
- Two finger gloves insulated as the other components
- Hood wide shaped to allow the use of a full-face mask with breathing apparatus without hampering head movements
- The suit is available in S-M-L size



## E2050

EN 1486 compliant coverall in FIRESHIELD complex consisting of a jacket, trousers, overboots, hood and gloves for interventions in the immediate vicinity of the fire. With or without a back pocket on the hood to cover an SCBA cylinder, with standard overboots or with basic overboots. In total, 4 packs to meet your needs:

E2050-101: standard overboots and hood.

E2050-102: standard overboots and backpack hood.

E2050-103: basic overboots and standard hood.

E2050-104: basic overboots and backpack hood

### Fabric

Fireshield complex: Aluminised Aramid fabric 300g/m<sup>2</sup>, Carbon felt insulation 320g/m<sup>2</sup>, Aluminised glass fabric 135g/m<sup>2</sup>, cotton and flame-retardant 185g/m<sup>2</sup>

Fully lined with cotton, flame-retardant for jacket and trousers Norms

EN ISO 11612 A1/B1/C4/D0/E0/F2

EN 1486

CE marking



- Aluminised jacket with velcro fastener under flap, snap buttons, fully lined with cotton, flame-retardant treatment and aluminised fleece interlayer.
- Aluminised trousers with straps, fully lined with cotton, flame-retardant, aluminised fleece interlayer, 20-cm slit with velcro fastener at the bottom of each leg for putting on boots
- Aluminised hood with a 3-mm clear polycarbonate screen and a 1-mm gold polycarbonate screen
- Fibreglass helmet integrated into the hood and front of the hood adapted for the use of a respirator with valve on demand.
- Aluminised overboots with aluminised upper, lined with 100% flame-retardant cotton, multi-layer soles for walking on floors up to 400°C
- Overboots opened at back, under flap
- One ankle strap on each overboot



## FIRE GEAR

### FIRE 05



Awarded modern design and excellent protection properties. Optimal relationship between protection and comfort with a broad spectrum of optional upgrades.

**Features:**

- 1,000 °C: Extreme temperature resistance up to 1,000 °C in a ten-second flash over flames
- 14 kW/m<sup>2</sup>: Long-term temperature resistance, radiant heat test 14 kW/m<sup>2</sup>
- -30 °C: Excellent protection properties at low temperatures
- ImpactResist: High resistance to mechanical impacts
- High-speed particles: Visor resistant to high energy impacts

**Standards:**

EN 443:2008, EN 14458:2018, EN 16471:2014, EN 16473:2014, MED

### FIRE COMPACT



A modern design in combination with an uncompromising choice of materials and production technology. The high degree of protection and simple usage make this extremely light helmet very versatile.

**Features:**

- 1,000 °C: Extreme temperature resistance up to 1,000 °C in a ten-second flash over flames
- 14 kW/m<sup>2</sup>: Long-term temperature resistance, radiant heat test 14 kW/m<sup>2</sup>
- -30 °C: Excellent protection properties at low temperatures
- ImpactResist: High resistance to mechanical impacts
- 1,165g: Lightweight

**Standards:**

EN 443:2008, EN 14458:2018, EN 166:2001, MED

### R5SL



The R5SL features a slightly longer shell than the R5S which enables it to fit comfortably on a wider range of head sizes.

**Features:**

- DuPont™ Kevlar® and Fibreglass Reinforced Composite Shell
- Ratchet Adjustable Headband
- 3-Point Polyester Chinstrap
- Pacific Low Profile Buckle
- 4-point Nylon Cradle Harness

**Standards:**

NFPA 1951:2020, NFPA 1977:2016, ANSI/Z89.1:2014, EN397:2012, AS/NZS1801:1997

### PACIFIC F6



The F6 is certified to NFPA 1971 and AS/NZS 4067. Made with a Fibretuff shell, the F6 can be fitted with a One Touch Eye Protector™ (OTEP) and/or an External Face Shield. Additionally it comes with a 2 point chinstrap with Postman's buckle to allow quick adjustment, and an optional Easi On-Off Base for mounting either a UK3AA or Adaro Adalit L5 torch.

**Features:**

- Light weight, fiber tuff fiberglass reinforced composite shell.
- Unique Full Cranium Polyurethane Liner
- Ratchet Adjustable Headband
- 2-Point Nomex® Chinstrap
- Pacific Quick Release Buckle
- 6-point Ribbon Cradle Harness
- Internal Eye Protector, externally Mounted Face Shield
- Flame Resistant Neck Protector
- Rear Hanger & reflector Sets
- Customised Branding

**Standards:**

AS/NZS 4067:2012, NFPA 1971:2018

### INNO373™



A deluxe model, these premier hoods provide the best protection for firefighters with full shoulders, chest and back coverage.

- 8 oz Nomex®
- Unique 3-Piece Seamless Chin - Enhances Comfort.
- TRU-FLAT™ Seam - Thinner seams compared to most competition. Practically eliminates pressure points under helmet for additional comfort
- Heavy-Duty 1/2" Elastic - Keeps snug fit around SCBA facepiece
- Double-needle basted bottom seam -Enhances durability
- Sewn with Nomex® thread

Certified to NFPA 1971

### INNO374™



A deluxe model, these premier hoods provide the best protection for firefighters with full shoulders, chest and back coverage.

- 8 oz Nomex®/ Lenzing (20%/80%)
- Unique 3-Piece Seamless Chin - Enhances comfort
- TRU-FLAT™ Seam - Thinner seams compared to most competition. Practically eliminates pressure points under helmet for additional comfort.
- Heavy-Duty 1/2" Elastic - Keeps snug fit around SCBA facepiece
- Enhances durability - Sewn with Nomex® thread

Certified to NFPA 1971

# FIRE GEAR



## INNOTEX815™ & INNOTEX810™

Noticeable flexibility and reduced hand fatigue. Proudly manufactured in the U.S.A. Proven protection and abrasion resistance.

### Outer Shell

Black Eversoft split cowhide palm and back for proven protection and abrasion resistance

### Lining

EF thermal lining

### Moisture Barrier

PRO-TECT™ glove inserts for added thermal protection

### Wristlet Style

Also available as INNOTEX810™ using 2 layers of black Nomex® knit for additional protection



### Features

- 2D glove style
- PIVOT-THUMBTM, natural / anatomically correct thumb to finger movement for better grip
- Exclusive liner retention system helps prevent liner shifting and pull-out
- Thumb seam welt for increased abrasion resistance in this critical area
- Kevlar® thread with lock stitching on the shell for added strength and heat resistance
- Nomex® thread with lock stitching on lining
- 1/2" Heavy duty elastic sewn around the entire wrist helps prevent the glove from falling off the hand by keeping a snug fit around the wrist
- Compliant to NFPA 1971:2018

## "RANGER" 14755

Five-finger protective glove developed according to:

EN-659 standard for fire-fighting gloves

EN-407 for gloves with a specific protection from thermal risks

EN-388 for gloves with a specific protection from mechanical risks.

The glove is composed of 2 layers as follows:

### External Layer

External layer manufactured in full grain leather  
Cuff is manufactured in full suede leather black colour

### Inner Layer

Palm and the back are made of Nomex/Kevlar/Viscose FR knitted fabric.  
Cuff lining is manufactured in flame retardant cotton.



### Features

- Ranger glove has an elastic band on the inner back part of the cuff, to assure a good comfort in the wrist area.
- A fire resistant reflective stripe, yellow colour, is placed all over the circumference of the oversleeve.
- All seams are made in KEVLAR 100% yarn to assure the integrity of the gloves in case of fire or heat
- Available sizes 06-07-08-09-10-11-11L
- The outfit is EC marked proving the approval to sale according to Law Decree 475 dated 04.12.92 about Council Directive 89/686/EEC. This PPE belongs to 3rd category in conformity to EN 659 - EN407 PROTECTION CLASSES 4231XX - EN 388 PROTECTION CLASSES 2244



## 807-6003

This footwear is designed for structural fire fighters, providing ultimate protection to the foot and lower leg region through a single piece felt lining. Superior foot comfort and protection has been added by design with a removable thick cushion insert.

NFPA 1971-2007 Edition

ISO 9001-2000 Registered (International Standard/ISO 2000, Quality Systems Specification for Design, Development, Production, Installation and Servicing).

Underwriters Laboratories certified.



## 950100

The structural firefighting boot style 950100 is a safety footwear in conformity with EN 15090:2012 F2A CI AN HI3 rd SRC. It is certified as 3 category PPE.

The upper is made of: one piece vamp, linked to 2 quarters by means of a double stitching, a back stripe joined by double seam to the vamp and the quarters, a collar made of veal leather, two lateral hangers for easier donning.

The boot height as measured from the heel base to the collar top is 270 mm +3% on the side part and 240 +3% mm in size 42 (all other sizes develop total height harmonically).



## 950105

The structural firefighting boot style 950105 is a safety footwear in conformity with EN 15090:2012 F2A CI AN HI3 SRC. It is certified as 3rd category PPE.

The upper is made of: one piece vamp, linked to a 2 quarters by means of a triple stitching; a back stripe joined by a double seam to the vamp and the quarters; a collar made of veal leather; a bellows tongue.

The boot height as measured from the heel base to the collar top is 220 mm +3% on the side and 170 mm +3% in size 42. (all other sizes develop total height harmonically).

## MOBILE FOAM UNIT - MFS SERIES

The Mobile Foam is highly deployable fire protection apparatus designed for operation by one person. Connection to a suitable water source, such as fire pump or pressurized fire hydrant valve using a fire hose connected to inlet of inductor while another to the inlet of the low expansion foam branchpipe.

- Trolley: Steel EPE Powder Coating
- Tank: Fibre Glass or Stainless Steel
- Inductor: 0% - 6% at 225 litre/min
- Foam Branchpipe: Aluminum alloy male instantaneous
- Hose: Two length of 38mm x 15 m fire hose



## LONG RANGE HIGH VOLUME WATER/ WATER FOAM MONITOR-M-LRHV

- Standpost mounted type
- Horizontal 360° & vertical 90° & 45° rotation
- Hand-wheel for rotation of swivel joint
- Gun metal swivel joint with ball bearing
- Coated with anti-corrosive coating
- 3% or 6% foam induction
- Used AFFF, ARFFF & Fluoroprotein foam
- Aqua-foam nozzle with S.S/PVC pick up tube
- Flanged inlet 4"-6" or 8"



## FOAM BRANCHPIPE & INDUCTOR - LOW EXPANSION

The low expansion foam branchpipes are suitable for use in hydrocarbon fire and come with adjustable variable valve from 0% to 6%. There are two types: one is with integral inductor, pick up tube and piercer, and another is without the pick up tube for premix foam. This product is suitable for polar solvent, AFFF and protein foam.

### General Specifications

Material: Aluminum alloy  
Expansion ratio: 15X  
Inlet: 2 1/2" (65 mm) male instantaneous to BS336  
Working pressure: 5-10 bar



450 Lt foam branchpipe c/w pick up tube and stainless steel piercer  
FB 450 SI



225 Lt premixed foam branchpipe at 7 bar  
FB 225

225 Lt foam branchpipe c/w up tube and stainless steel piercer  
FB 225 SI



225 Lt foam branchpipe c/w pick up tube and stainless steel piercer and adjustable Variable valve  
FB 225 XP



225/40 Lt variale foam inductor c/w pick Up tube & stainless steel piercer  
VI 225/450



## AQUAJET MULTIPURPOSE NOZZLE

Solid jet and fog facilities simultaneously or independently

- Specially designed gives low back pressure
- Durable light hard anodized construction
- Straight stream to dense fog & flush without shut off
- Ball valve for flow control
- Anti-slip rubber moulded pistol grip
- Female inlet with instantaneous Male Coupling.



## SUPERFIRE NOZZLE

- Specially designed gives low back pressure
- Constant selectable gallonage nozzle with multiple flow setting. Flow remains the same in all pattern.
- Durable light hard anodized construction
- Straight stream to dense fog & flush without shut off
- Ball valve for flow control
- Anti-slip rubber moulded pistol grip
- Female inlet with instantaneous Male Coupling



## FIRE - FIGHTING FOAM

### FOAMGARD 3% AFFF



Foamgard AF3-20	Pail	20 Lires (5.28 gallons)
Foamgard AF3-30	Pail	30 Lires (7.92 gallons)
Foamgard AF3-200	Drum	200 Lires (52.8 gallons)

### Typical Chemical and Physical Properties at 27°C

Appearance	Light yellow
Specific gravity	1.02 +/- 0.01
pH	7.5 +/- 0.5
Viscosity (maximum)	less than 0.3
Spreading Coefficient	more than 4.5
Sludge Content (% v/v)	less than 0.1%
Surface Tension	less than 17 dyne/cm
Approvals	U.L.Listed

### Option:

FOAMGARD 3% FLOUROPROTEIN AFFF



### FOAMGARD 6% AFFF



Foamgard AF6-20	Pail	20 Lires (5.28 gallons)
Foamgard AF6-30	Pail	30 Lires (7.92 gallons)
Foamgard AF6-200	Drum	200 Lires (52.8 gallons)

### Typical Chemical and Physical Properties at 27°C

Appearance	Light yellow
Specific gravity	1.00 to 1.15
pH	6.5 to 8.5
Viscosity (maximum)	3.0 to 10cps
Spreading Coefficient	more than 3.0
Sludge Content (% v/v)	less than 0.1%
Surface Tension	less than 17 dyne/cm
Approvals	U.L.Listed

FOAMGARD 6% FLOUROPROTEIN AFFF







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