

FRR

FIRST RESPONDER RESPIRATOR



 **SCOTT**
SAFETY

A NEW ERA IN CBRN RESPIRATORY PROTECTION



- **THE PLATFORM MASK**

When the United Kingdom Ministry of Defence (UK MoD) assessed the changing capability requirements for CBRN individual protection they required development of a respirator that could attain previously unheard levels of protection. The UK MoD General Service Respirator (GSR) program was born and Scott Safety was selected as the design and manufacturing partner for this revolutionary technology development that delivers lower user burden, improved systems integration and simplicity of operation.

The net result is the GSR technology suite delivering:-

“A quantum leap in capability”

(General Sir Richard Dannatt: Chief of the General Staff - September 2007)



EVOLUTION OF THE GSR - THE NEW SCOTT FRR

The “next generation” design features of the GSR were readily seen to offer a superior response to the increasingly stringent protection needs of the global civil responder community against CBRN threats. The Scott First Responder Respirator (FRR), a variant of the GSR that is approvable to worldwide regulatory standards, has been introduced to fill these capability gaps.

Scott FRR takes GSR technologies and embodies them in a certified respiratory protection system designed for use with CBRN and industrial chemical filters with threaded (DIN40/STANAG 4155) connections and offers unique levels of operational flexibility.



PART NUMBERS

Article Number	Description
7000342	FRR MASK ASSEMBLY SIZE 1 (L)
7000343	FRR MASK ASSEMBLY SIZE 2 (L/M)
7000344	FRR MASK ASSEMBLY SIZE 3 (M)
7000345	FRR MASK ASSEMBLY SIZE 4 (S)
7000346	FRR MASK ASSEMBLY SIZE 3/2 (Medium mask, large/medium oro-nasal)

A WORLD CLASS RESPIRATOR RESPONDING TO FUTURE CHALLENGES

FRR is able to leverage the completely new system improvements developed for GSR into a respirator designed to respond to all CBRN threats now, and in the future.

Harness buckle positions optimised for comfortable integration with helmets and earmuff communication systems

Modular construction permits simple maintenance



Easily changed louver facilitates integration of radio and voice amp options with integral speech diaphragm

High efficiency drinking system delivers in excess of 0.5 lpm as required and can be integrated to canteens and back worn hydration systems

A range of harness options are available to optimise fit and wearer comfort

MORE THAN A MERE GAS MASK... A SUITE OF TECHNOLOGIES



FACE SEAL

Self regulating twin primary seals provide increased protection and comfort for long duration wearing. Built in features enable simple mask / suit hood integration



EXHALATION VALVE

Twin exhalation valves provide a clean 'airlock'. Ensure leak tight exhalation and low resistance



INLINE SECONDARY FILTRATION

'Mask within a mask' system combined with patented secondary filtration technology allows for unrivalled levels of protection and automatic sweat clearance



PRODUCT HIGHLIGHTS

Best In Class protection factors for the wearer - significantly higher than the industrial norm.

Compatible with all military, law enforcement and industrial DIN 40mm threaded filters able to be mounted on either side of mask for maximum operational flexibility

Low breathing resistances - significantly lower than industry norms

Manufactured from chemically hardened materials that have proven comfort characteristics for 24 hour wearing

Flexible, hard coated lens featuring minimal haze and light transmission providing a wide field of view and impact protection in excess of EN166, Class 1 requirements

Vision correction capability that includes the use of progressive (vari-focal) lenses

Re-breathed CO2 levels significantly below 1%

Designed for 100% population fit via multiple sizing combinations between mask and separate oro-nasal module

Ancillary equipment including visor outserts and carriers are available





A new era in CBRN respiratory protection

The Scott FRR is the next generation of respiratory protection for the global civil responder community.

CAPABILITY OUTLINE

SCOTT FRR

OPERATIONAL FLEXIBILITY WITH PAPR, SCBA AND AIRLINE

In addition to functioning as a standard negative pressure respirator the FRR can be configured to operate either singly or in any two combinations of APR, PAPR or positive pressure breathing apparatus (SCBA or airline supplied). The ability to function as a combination respirator, a SCOTT Modular Respiratory Protection System (MRPS) is facilitated by the use of modular side fittings and different exhalation structures, including auto switchable. Final determination of the operational configuration of the MRPS is determined by the specific concepts of operation of the user group. The user can switch between the two selected modes of respiratory protection, in the hot zone, with no loss of protection.

FURTHER CAPABILITY OPTIONS

The following Scott Safety products are available to further enhance FRR capability:

- Carriage Systems
- Radio and speech amplification interfaces
- Lens outserts for added impact, flash, sunlight and IR (laser) protection
- Advanced fit testing hardware
- Training packages

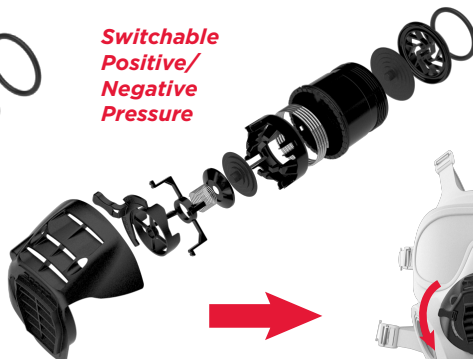


MODULAR EXHALE SYSTEMS

Fixed Positive Pressure



Switchable Positive/Negative Pressure



APR/PAPR Mode

MODULAR INHALE SYSTEMS



Flush Blanked Fitting



Standard DIN 40 thread Filter/ PAPR



SCBA Connection

Approvals: The Scott FRR is approved to the regulatory standards of: BS 8468-1&2:2006 (CBRN Protection); EN 137:2006, EN 136:1998, Class 3; EN 148-1:1999; AS/NZ 1716:2003



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Scott Safety is a global business unit of Tyco International that supplies a variety of industries through manufacturing facilities located in the United States, United Kingdom, Asia, Finland and Australia.

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