

SOLO *unifit* Helmet



SOLO *unifit* Helmet - SPECIFICATION

The unique **SOLO *unifit*** integrated fire helmet which combines full head and face protection with respiratory protection and "hands free" communications is easily donned and can be adapted for most makes of breathing apparatus and radio.

The clean lines to the outside of the helmet help prevent hanging debris catching and pulling on the helmet.

The Shell

- The one piece shell is hand moulded from tough fire resistant resin with glass cloth and Kevlar® fibre coated in a Class 1 fire resistant Gelcoat.
- The shell incorporates a fully adjustable "skull cap" type head harness with neck strap which affords the wearer good comfort even in long periods of wearing.
- A full Nomex® neck skirt slides into a rail on the lower edge of the shell and rests on the fire fighters shoulders.
-

The Face Mask

- The face seal is hand formed neoprene bonded onto a G.R.P. former designed to fit all face sizes with comfort and act as a suspension point to prevent side impacts breaking the face seal.

- A full wide vision Lexan® Polycarbonate visor is provided which is twice the thickness,4mm,of a standard breathing apparatus face mask giving the wearer increased protection against facial impacts.
- A front port "unifit" demand valve adapter, which can be fitted with a range of different connectors, takes the supplied air through two inhale ports in the lower section of the face seal up the inside of the visor. This air-flow de-mists the visor and helps to keep the wearer's face cool. The air then passes through non-return inhale valves in the inner mask for the wearer to breathe. The exhaled air is then expelled via an exhale valve mounted under the wearers chin. Having the exhale valve under the helmet also helps to prevent misting when the fire fighter is wearing a gas tight chemical suit.
- A passive speech transmitter is fitted to the front of the visor to enhance normal speech between members of the fire team.
- The **SOLOunifit** is "CE" Approved. Certificate Number 1719.

Communications Package

- It is essential in fire fighting situations that the fire fighter and his control can communicate clearly.
- The package comprises twin speakers mounted in ear pads, normal speech between members of the fire team can be heard, a microphone assembly mounted inside the inner mask, to ensure no distortion of the voice, and a helmet mounted (with optional waist belt mounted) press to talk transmit switch. A lead and radio connect facility plug complete the package.

We can supply facility plugs for most makes of radio.