AIR PURIFYING RESPIRATOR

HMK150™

THE INTEGRATED RIOT CONTROL SYSTEM
The HMK150 combines two leading edge products, Avon Protection’s HM50 respirator and Schuberth’s P100 N Crowd Control Helmet. It provides users with a simple, rapid donning system for head and respiratory protection within a crowd control and public order environment.

The system has been designed specifically to meet the requirements of the Technical Guidelines for Modular Systems – Protective Helmet, Communication System, Respirator Mask from the Technical Commission at the Police Management Academy, Research and Development Office for Police Engineering in Munster, dated February 2011.

Providing complete head & respiratory protection

Donning

HMK150 enables the respirator to be donned without removing the helmet ensuring head protection at all times.
The unique design allows for prescription lenses to be fitted to the mask ranging from -8 to +10 Diopters in power. Flexible design allows assembly to fold inside the mask and lens height can be easily adjusted without need for special tools.

Unique polyurethane visor is highly flexible plus scratch and impact resistant
- Fully optically correct across the whole field of view
- Panoramic visor design gives excellent field of vision and wearer recognition whilst greatly enhancing compatibility with weapon sights
- The Vision Correction System allows prescription lenses to be mounted inside the mask

Heat build up minimised
- Low re-breathed carbon dioxide
- Excellent de-mist properties
- Filter canisters are side mounted on either left or right side minimising interference and allowing improved capability for shoulder mounted devices
- The chloro-butyl/silicone blend face piece material ensures the mask is not only high in protection but also provides a better seal and is more comfortable to wear for extended periods
- High flow fail safe drinking device, allows connection to either a canteen or bladder type hydration system

Certifications

HMK150 certified to the German Federal and State Police Technical Directive (TR), For a Modular System – Protective Helmet, Communication System, Respirator Mask. February 2011
Helmet Features P100 N

Outer shell
Multi-layer flame-resistant aramid fabric with special self-extinguishing lacquer, integrated push-button fasteners for direct adaptation of the AVON HM50 mask or a chin/mouth guard. 3 different shell sizes for maximum comfort

Inner shell
Special EPS inner shell for optimised shock absorption properties

Inner lining
Anti bacterial, flame-retardant lining of Nomex® fabric, removable and suitable for cleaning, excellent comfort

Retention system
3-point chinstrap of Nomex® fabric with integrated neck strap, Micro-Lock Ratchet Fastener, emergency release (survival buckle), chinstrap pad of flameretardent Nomex® fabric

Visor
Clear, 4 mm polycarbonate, with Anti-Fog coating

Neck protection
Penetration-resistant with 4-layer nylon insert, PU-Kevlar® covering

Weight
Approx. 1.500 – 1.900 g

Wearing aid
Helmet integrated D-ring

Accessories
Chin/mouth guard including emergency release system, homologated with AVON HM50 protective mask system, carrying bag for helmet, communication systems, tinted visor, Pinlock® visor (double-lens-system), individual padding set, camouflage covers

Helmet Sizes

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<thead>
<tr>
<th>SCHUBERTH Helmet Sizes</th>
<th>Alpha Helmet Sizes</th>
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P 100 modular system

Visor
Communication systems
Neck protection
Lacquer types
Chin/mouth guard
Respiratory masks

The Americas
t: +1 888 286 6440
e: customerservice@avon-protection.com

Europe, Middle East, Asia, Africa & Australasia
t: +44 (0) 1225 896705
e: protection@avon-protection.com

www.avon-protection.com