

## SCOTT VISION RFF4000 FULL FACE MASK

### TECHNICAL DATA

#### Description

Vision RFF4000 full face mask features a unique semi-spherical visor design offering unrestricted, optically perfect vision, an LSR silicone face seal, a TPE inner mask with 2 inhalation valves, a 5-point adjustable rubber harness with quick release moulded buckles, a standard 40mm thread right-side filter fitting, and a speech diaphragm.

The face seal is Liquid Silicone Rubber (LSR) injection moulded, which provides a highly flexible seal making it easy to rapidly achieve an efficient and comfortable fit. LSR is hypo-allergenic to prevent skin reaction, and is more durable than conventional silicone.



The inner mask is an essential part of the Vision air-flow management system which directs inhaled air on to the visor to prevent misting, and directs exhaled air through the exhalation valve. It is moulded in non-dermatitic TPE with a matt finish which prevents reflective glare on the inside of the visor.

The shape of the face seal maximises the sealing area on the widest population of faces and thereby minimises pressure points. The facepiece is available in 3 sizes; M/L, M and S. The visor is moulded in polycarbonate and hard coated to offer excellent solvent and scratch resistance.

Scott Vision RFF4000 full face mask provides low breathing resistance and uninhibited speech transmission due to the side filter fitting. The lightweight construction minimises wearer fatigue. An optional poly-net head harness is available.

#### Pro2000 filter range

Vision RFF4000 accepts gas, particle and combined filters from the comprehensive Scott Pro2000 range with 40mm filter thread. The Pro2000 filters feature low breathing resistance; they are light in weight and filter capacity exceeds EN143 & EN14387 standard requirements.



## VISION RFF4000

### TEST RESULTS EN 136:1998. INSPEC

Feature	Vision RFF4000	EN 136 requirement
Breathing resistance*)		
Inhalation		
• @ 30 l/min	0.16 mbar	max 0.5 mbar
• @ 95 l/min	0.52 mbar	max 1.5 mbar
• @ 160 l/min	1.13 mbar	max 2.5 mbar
Exhalation @ 160 l/min	1.8 mbar	max 3.0 mbar
CO <sub>2</sub> -content	0.92 %	max 1.0 %
Inward leakage	0.02%	max 0.05 %
Field of vision		
Effective (natural)	96%	min 70 %
Overlapped	97%	min 80 %
Filter thread	40 mm	EN148-1
Weight	>600 g	-
Approvals	CE 0086. EN 136 class 2	

### MATERIALS

Faceseal	Liquid Silicone Rubber
Inner mask	Thermo-Plastic Elastomer
Visor	Polycarbonate Hard coated
Head Harness	EPDM

### PROTECTION FACTORS FOR FULL FACE MASKS

Combination	Maximum use of concentrations as multiple of exposure limit <sup>1)</sup>	Assigned protection factors <sup>2)</sup> BS 4275	Nominal protection factor <sup>3)</sup>
Full face mask and particle filter P3	400 x O.E.L.	40	1000
Full face mask and gas filter class 2	400 x O.E.L.	20	2000

- 1) BGR 190 "Benutzung von Atemschutzgeräten" HVBG April 2004. (USE OF RESPIRATORY PROTECTIVE DEVICES). HVBG = Hauptverband der gewerblichen Berufsgenossenschaften. Germany.
- 2) Respiratory protective equipment at work. HSE 2005. UK
- 3) Guidelines for selection and use of respiratory protective devices, CR 529:1993 CEN/TC 79. CEN 1993.

Scott recommends that the most conservative value for protection factor should be used. This is in accordance with international best practice.