SCOTT VISION RFF1000 FULL FACE MASK

TECHNICAL DATA

Description

Vision RFF1000 full face mask features a unique semi-spherical visor design offering unrestricted, optically perfect vision, LSR silicone faceseal, a TPE inner mask with 2 inhalation valves, a 5-point adjustable rubber harness with quick release moulded buckles, a standard 40mm thread front filter fitting, and a speech diaphragm.

The faceseal 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 faceseal 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 RFF1000 full face mask provides low breathing resistance, uninhibited speech transmission, and the lightweight construction minimises wearer fatigue. An optional poly-net head harness is available.

Pro2000 filter range

Vision RFF1000 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 RFF1000

TEST RESULTS EN 136:1998. INSPEC

Feature	Vision RFF1000	EN 136 requirement
Breathing resistance*)		
Inhalation • @ 30 l/min • @ 95 l/min • @ 160 l/min Exhalation @ 160 l/min	 0.16 mbar 0.52 mbar 1.13 mbar 1.8 mbar	 max 0.5 mbar max 1.5 mbar max 2.5 mbar max 3.0 mbar
CO_2-content	0.92%	max 1.0 %
Inward leakage	0.02%	max 0.05 %
Field of vision Effective (natural) Overlapped	 96% 97%	 min 70 % 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 [1)]	Assigned protection factors [2)] BS 4275	Nominal protection factor [3)]
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) ZH1/701 Regeln für den Einsatz von Atemschutzgeräten. Fachausschuß "Persönliche Schutzausrüstung" der ZefU, April 1994. ZH 1/701 RULES FOR THE USE OF RESPIRATORY PROTECTIVE DEVICES 1996 October. HVBG = Hauptverband der gewerblichen Berufsgenossenschaften. Germany.

2) BS4275 HSE 1998. 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.