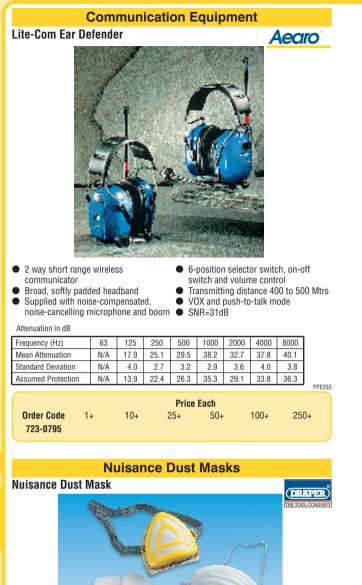
Health & Safety Farnell



Dust masks only suitable for protection against non-toxic dust and powders

Disposable

Aluminium nose bridge to mould mask to wearer's face

Supplied in packs of 5

- Re-usable
- Consists of lightweight filter holder, filter pad and face cloth
- Kit supplied with additional 5 filter pads
- Replacement filter pads and face cloth available

	Mftrs.			Price Each	
	List No.	Order Code	1+	4+	20+
5 disposable masks	18063	109-158			
Re-usable mask kit	18058	109-159			
Spare filter pad set	18059	109-160			

8500 Nuisance Dust Mask



50 Per Pack Price Per Pack Mftrs List No. Order Code 1+ 12+ 8+ 8500 289-553

3M Respiratory Protection

Respiratory Selection Guide

Airborne hazards exist in many workplace environments which, if above certain limits, may cause short and long term problems to exposed personnel. Respiratory protection reduces exposure to such hazards and the following points should be considered when selecting the appropriate device.

Selection Criteria

- 1. Name and form of contaminant*
- 2. Potential harmful effects
- Airborne concentration (mg/m³ or parts per million) 3 Occupational Exposure Limit (OEL) for contaminant (mg/m³ or parts per 4.
- million) see HSE guidance note EH 40
- Nature and length of exposure
- 6. Multiply measured airborne concentration by total exposure (hours) and divide by 8 hours to ascertain 8 hour time-weighted average concentration Specific regulations, approved codes of practice or guidance noted applicable
- Divide time-weighted average airborne concentration by Occupational Exposure 8.
- Limit to ascertain level of protection required 9. Select respirator with max. usage level greater than required level of protection
- * See supplier's Material Safety Data Sheets (MSDS)

Example (For detailed advice and guidance, see Health and Safety Executive Guidance Notes EH 40/EH 42)					
Nature of contaminant :	Cobalt				
Form of contaminant :	Dust				
Effects :	Fibrosis and respiratory sensitivity				
Concentration :	0.8mg/m ³				
0.E.L. :	0.1mg/m ³				
Total exposure time :	7 hours				
Therefore					
8 hour time weighted average concentration	= 0.8mg/m ³ 7				
	8				
	= 0.7mg/m ³				
Divide T.W.A. concentration by O.E.L. = 7					
Therefore					
Select respirator with max. usage concentration > 7 times the O.E.L.					
(e.g. 3M 8800/8810 Dust/Mist respirators)					

Copyright 3M UK PLC May 1993 Reproduced by permission of 3M UK PLC

Airborne hazards fall into two categories:

1) Particulate - dusts, mists, metal fumes

2) Gases and vapours

The degree of protection afforded by the respirators is indicated by the reference number e.g. FFP1S, in accordance with the relevant Health and Safety regulations. The following range of respirators are all negative pressure devices which means that contaminated air passes through a filter before entering the nose and mouth.

Two styles of negative pressure respirators are available:

- 1) Maintenance free half-mask
- 2) Low maintenance half-mask

Maintenance free: These offer protection against particulates, gases and vapours and do not require maintenance. This exempts them from the maintenance requirements of the Control of Substances Hazardous to Health Regulations 1988 (COSHH) which stipulate the inspection, cleaning and record keeping requirements of a respiratory protection programme.

Low maintenance: These consist of a half-mask and broad range of attachable filters. The face mask is used with two lightweight filters mounted on each side of the face piece by means of a simple bayonet attachment.

Maintenance-Free Respirators

Particulate Range

HS133

The following Particulate respirators are approved to EN149 and all carry appropriate **CE** marking

EN149 categorises particulate half-mask respirators by their filtering efficiency:

- FFP1S Protection factor of 4 OEL* (lowest efficiency)
- FFP2S Protection factor of 12 0EL
- FFP2SL Protection factor of 12 OEL FFP3S – Protection factor of 50 OFI
- FFP3SL Protection factor of 50 OEL (highest efficiency)

*O.E.L. = Occupational Exposure Level as defined in guidance note EH40 from the Health and Safety Executive.

PPE141

PPE142

fitting. Ultra lightweight preformed design (4g) This mask does NOT provide protection against fine dusts, fibres, mists, metal fume gases, vapours or paint spray.