



Description:

3M Speedglas 9000 Series Welding Helmets:

- Can be used together with many Reusable and Maintenance Free Respirators for welding. (Non air version)
- SideWindows
- Exhaust vent (Non air version)

Applications:

The Speedglas 9000 Series Welding Helmets together with 9000 Series Welding Filters are designed for most welding processes, such as MMA, MIG/MAG, TIG, plasma welding and oxyacetylene welding/cutting.

The Speedglas 9000 Air Welding Helmet is designed to be used with 3M Air Delivery Units. See appropriate reference leaflet for approved combinations.

Approvals:

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked. The products comply with the harmonized European Standards EN 175 and EN 166. Certification under Article 10, EC Type-Examination has been issued by DIN Certco Prüf- und Zertifizierungszentrum (Notified body number 0196). Speedglas 9000 welding helmet for air respiratory systems complies with the harmonized standards EN 12941 respective EN 14594. Certification under Article 10, EC Type Examination and Article 11, EC quality control, has been issued by INSPEC International Ltd (Notified body number 0194).

Equipment Marking:

3M EN166BT (medium energy impact at extremes of temperatures (-5°C and +55°C) BT)

3M EN175B (medium energy impact B)

3M EN175F (low energy impact F)

3M EN12941 TH2 (nominal protection factor 50, medium strength requirement for breathing hose and couplings)

3M EN14594 2A (nominal protection factor 50, lower strength requirement)

Additional markings on the product refer to other standards.

Mechanical Strength

EN 166, EN 175

No symbol	Minimum robustness
S	Increased robustness
F	Low energy impact (45 m/s)
B	Medium energy impact (120 m/s)
T	Tested at extremes of temperature (-5°C and +55°C)

Technical Datasheet

3M™ Speedglas™ Welding Helmet 9000 series

Operating instructions:

Adjust the welding helmet according to your individual requirements to reach the highest comfort and protection.

3M™Speedglas™ Air

Adjust and fit the Air Delivery Unit as outlined in the appropriate User Instruction. Adjust the face seal to suit the shape of the face.

! It is important that the face seal is correctly mounted and fitted to provide the correct protection factor. Do not remove the welding helmet or turn off the air supply until you have vacated the contaminated area.

Limitations of use:

! Only use with original 3M Speedglas Spare Parts and Accessories listed in the reference leaflet and within the usage conditions given in the technical specifications.

! The use of substitute components, decals, paint or other modifications not specified in these user instructions might seriously impair protection and may invalidate claims under the warranty or cause the product to be noncompliant with protection classifications and approvals.

! Eye protectors worn over standard ophthalmic spectacles may transmit impacts thus creating a hazard to the wearer.

! 3M Speedglas Welding Helmets are not designed for heavy duty overhead welding/cutting operations due to the risk of burns from falling molten metal.

! The SideWindows should be covered with the cover plates in situations when other welders are working beside you and in situations where reflected light can pass through the SideWindows


! Materials which may come into contact with the wearer's skin are not known to cause allergic reactions to the majority of individuals. These products do not contain components made from natural rubber latex.


3M™Speedglas™ 9000 Air Welding Helmet


! Do not use for respiratory protection against unknown atmospheric contaminants or when concentrations of contaminants are unknown or immediately dangerous to life or health (IDLH).

! Do not use in atmospheres containing less than 19.5% oxygen (3M definition. Individual countries may apply their own limits on oxygen deficiency. Seek advice if in doubt).

! Do not use these products in oxygen or oxygen-enriched atmospheres.

 Leave the contaminated area immediately if: Any part of the system becomes damaged, airflow into the head top decreases or stops, breathing becomes difficult, dizziness or other distress occurs, you smell or taste contaminants or irritation occurs.

 High winds above 2m/s, or very high work rates (where the pressure within the head top can become negative) can reduce protection. Adjust equipment as appropriate or consider an alternative form of respiratory protective device.

 Users should be clean-shaven where the respirator's face seal comes into contact with the face.

Spare parts, accessories and consumables:

Part no.	Description
<u>Spare parts</u>	
40 11 90	Welding Helmet 9000, without headband, without filter
40 18 90	Welding Helmet 9000 with SideWindows, without headband, without filter
43 20 00	Heat-reflecting Silver front
43 30 00	Headband with air duct
44 28 00	Welding helmet 9000 FlexView for respiratory protection, without welding filter
46 08 00	Welding helmet 9000 for respiratory protection, without welding filter
46 08 90	Welding Helmet 9000 without headband, without airduct
70 50 15	Headband including assembly parts
70 60 00	Assembly parts for headband
<u>Consumables</u>	
16 75 20	Sweatband, towelling pkg of 2
16 76 00	Sweatband, towelling pkg of 20
16 80 00	Sweatband, leather
16 75 20	Sweatband, fleecy cotton, pkg of 2
43 40 01	Faceseal
<u>Accessories</u>	
16 40 09	Head protection
16 90 01	Neck protection black/grey
16 91 00	Hood neck/head
43 20 15	Coverplate SideWindows

Technical specification

Weight	
Welding helmet with SideWindows (excl headband and welding filter)	260 g
Welding helmet with airduct, with SideWindows (excl headband and welding filter)	490 g
Headband	105 g
Operating temperature	-5°C to +55°C
Head sizes	54 – 62
Material:	
Helmet:	PA
Silver front frame:	PA
SideWindows:	PC
Headband:	PA
Faceseal:	100% Cotton