3M Occupational Health and Environmental Safety Group

3M™ S-Series Headcovers and Hoods for Powered and Supplied Air Respirators

NEW

Work in a world of Comfort
All New Benefits

Comfortably worn by more users
Based on computer modeling of a worldwide sampling of head sizes, the new 3M™ S-Series Head harnesses, through their sizing and adjustment options, will comfortably fit a broad range of head sizes.

Convenience of a hanging loop

Improved shape
The new design of the headcovers and hoods more closely profiles the wearer’s head for improved appearance compared to other designs that tend to “peak.”

Improved visibility
Visors have an excellent field of vision particularly downwards, with reduced curvature for decreased reflections and glare.

Range of 4 fabrics
To suit more applications and needs.

Excellent airflow
All wearers benefit from excellent airflow distribution for improved comfort and lower noise.

ALL-DAY COMFORT
Lightweight and loose-fitting, the NEW 3M™ S-Series Headcovers and Hoods can be comfortably worn with prescription eyewear, safety glasses, and limited facial hair. The pressure on the face, breathing resistance, and heat build-up are greatly reduced when compared to tight-fitting facepieces, increasing all-day comfort.

EASIER TO BREATHE
With powered and supplied air respirators, breathable air is provided to the wearer; reducing the additional breathing effort required. This increases wearer comfort at all times, but is especially important during periods of strenuous labour.

EXCELLENT AIRFLOW
The headcovers and hoods direct a comfortable stream of breathable air to where workers need it most: the head and face. The moving airflow may make hot environments more tolerable while greatly reducing visor fogging. And, when using the appropriate 3M™ Supplied Air Unit, the supplied air can also be made cooler or warmer when working in hot or cold environments.

HIGHER PERFORMANCE
The 3M™ S-Series Headcovers and Hoods meet the highest respiratory performance requirements for this type of product when used with specific 3M™ Air Delivery Units (see table on back page). This makes them suitable for a wider range of applications and working environments.

ADDED PROTECTION
In addition to respiratory protection, the headcovers and hoods also provide coverage of the head or head, neck and shoulders, as well as providing eye and face protection to EN166 – protection against liquid droplets (grade 3) and low energy impact (grade F) the same classification for impact resistance as safety spectacles.

SIMPLE MAINTENANCE
Choose ready-to-use headcovers for applications where assembly would be too time-consuming or otherwise impractical. Or choose hoods for quick, highly cost-effective replacement of outer fabrics.
Integrated suspension models offer the advantages of being fully assembled and ready to use straight out of the box. They can be suitable for applications that require frequent replacement of the entire headtop assembly, such as pharmaceutical manufacturing, or in situations where there is less soiling of the outer fabric.

For disposal, the suspension assembly and air inlet components can be quickly removed and separated for segregated waste streams, where facilities are available.

The integrated suspension headtops are available in two adjustable sizes to comfortably fit more wearers: S/M and M/L.

3M™ S-Series Headcovers

3M™ HEADCOVER S-133
Provides head and face coverage, as well as providing eye and face protection to EN166 - liquid splash and low energy impact. General purpose, cost-effective fabric.

3M™ HEADCOVER S-333G
Similar to S-133 but with a more durable, soft, quiet, low-linting fabric.

3M™ HEADCOVER S-433
Head, face, neck and shoulder coverage, as well as providing eye and face protection to EN166 - liquid splash and low energy impact. General purpose, cost-effective fabric.

3M™ HEADCOVER S-533
Similar to S-433 but with a more durable, soft, quiet, low-linting fabric that more readily drapes comfortably over the wearer.

Why is care and maintenance of Powered and Supplied Air equipment so important?

To maintain protection levels, optimise the effective lifetime of the system and avoid the additional cost of replacement, it is extremely important to carry out regular checks and maintenance on Powered and Supplied Air Respirators.

Guidance on the appropriate checks is provided in the instruction booklets with each new turbo/system/headtop. 3M also publish Care and Maintenance packs for each system.

For more information contact the 3M Helpline on:

0870 60 800 (UK)
1 800 320 500 (IRELAND)
Premium Maintainable Hoods

The new designs permit significantly faster user assembly of the entire headtop.

The rigid ducting of the head harness provides a consistent air path. It also has an externally-adjustable airflow control that allows wearers to modify the airflow distribution to suit personal comfort needs.

For a full range of accessories and spare parts please contact 3M
3M™ S-Series Modular Systems

Additional Wearer Benefits

TRULY MODULAR
All 3M™ S-Series Headtops connect to the current modular range of 3M™ Air Delivery Units via the new 3M™ BT-Series Breathing Tubes. This modular approach not only simplifies the equipment selection process, it also more readily manages changing end-user applications.

DURABLE NEW BREATHING TUBES
The new 3M™ BT-Series Breathing Tubes feature steel core coils for durability and are approved for use with the 3M™ S-Series to meet the highest respiratory performance requirements for this type of product. To improve their comfort and reduce the potential to catch on surrounding obstacles, the tubes are offered in two lengths: S/M and M/L.

PART NUMBERS
- BT-20S Breathing Tube, small/medium
- BT-20L Breathing Tube, medium/large

Modular 3M™ Powered and Supplied Air Respirators

1 IDENTIFY THE HAZARDS
Dust, metal fume, gas, vapour, etc.

2 ASSESS THE RISK
Assess the hazard levels against safety standards and consider additional protection – eg. skin and eye.

3 SELECT THE RIGHT RESPIRATOR
Powered or Supplied Air.

3.1 CHOOSE YOUR HEADTOP
Choose between a wide selection of headtops to meet the requirements of your workplace, from lightweight hoods to industrial helmets, that provide not only respiratory protection, but also eye and face protection, head protection, and optionally, hearing protection.

3.2 CHOOSE YOUR AIR DELIVERY UNIT
To handle the contaminant situation in your particular workplace, you have the choice between two filtering powered air systems and three supplied air units. You also need to choose the right filters for the contaminant situation when using powered air systems.

3.3 CHOOSE YOUR BREATHING TUBE
The breathing tube reliably connects the headtop to the air delivery unit, ensuring an unrestricted flow of breathing air. To meet the high respiratory performance requirements, the 3M™ S-Series Headtops connect to all air delivery units via the new 3M™ BT-Series Breathing Tubes. Additional breathing tubes are available that are compatible with the 3M™ HT-100, HT-400, HT-600, HT-700 and HT-800 Series modular headtops.

3.4 CHOOSE ACCESSORIES (IF REQUIRED)
3M offers a comprehensive range of modular system accessories to make it easier to customise the system to suit individual needs.

4 TRAIN IN FITTING AND USE
To optimise respiratory protection
3M™ Modular Systems

3M™ Powered and Supplied Air Delivery Units

Once you have chosen a suitable headtop, your next step is to select an air delivery unit appropriate for your application. The following are brief descriptions of your air delivery unit options; for additional information, contact your 3M Sales Representative or visit www.3M.co.uk/ohes

* The headcovers and hoods meet the lower strength (A) requirements of EN14594. They are approved for use with a range of compressed air supply tubes that meet both the lower and higher strength (A and B) requirements.

** The protection factor assigned by the Health and Safety Executive in their publication HSG53.

3M™ JUPITER™ TURBO UNIT
The 3M™ Jupiter™ Turbo Unit is a comfortable, easy-to-use powered air turbo unit that provides protection against particulates, gases or vapours, or against a combination of these contaminants depending on the types of filter used.

3M™ DUSTMASTER™ TURBO UNIT
The 3M™ Dustmaster™ Powered Air Turbo is a robust industry-proven turbo unit providing respiratory protection against airborne particulates and dust. An optional nuisance odour filter is available.

3M™ FLOWSTREAM™ REGULATOR
The 3M™ Flowstream™ Regulator ensures an individually adjustable, constantly controlled airflow.

3M™ VORTEX/VORTEMP™ AIR COOLING/HEATING UNITS
The 3M™ Vortex/Vortemp Units are a good choice for workers who are exposed to uncomfortably high or low temperatures in addition to high concentrations of hazardous contaminants.

3M™ HT-400 SERIES VISORS
The 3M™ HT-400 Series Visors offer the wearer respiratory protection, plus EN166 approved eye and face protection. The visor can either be in acetate (HT-401) or polycarbonate (HT-402).

3M™ HT-600 SERIES WELDING VISORS
The 3M™ HT-600 Series Welding Visors not only offer respiratory protection but also face, eye and impact protection in metal working and fabrication environments. The various flip-up visor and filter mechanisms allow you to inspect your work whilst the large coverage area provides protection from radiation and sparks.

3M™ HT-700 SERIES HELMETS
The 3M™ HT-700 Series Helmets offer the wearer respiratory protection, plus EN166 approved eye and face protection as well as EN397 head protection.

3M™ HT-800 SERIES HELMETS
The 3M™ HT-800 Series Helmets offer the wearer respiratory protection, plus EN166 approved eye and face protection as well as EN812 bumpcap protection (HT-820) and EN397 helmet protection (HT-840/HT-880). HT-880 additionally offers chin protection as well as neck and shoulder protection with a lightweight shroud.

Additional Modular Respiratory Headtops

In addition to the headcovers and hoods, 3M offers a wide selection of rigid headtops that readily connect to 3M™ Powered and Supplied Air Units, including the 3M™ HT-400 Series Visors, HT-600 Series Welding Visors and the HT-700 and HT-800 Series Helmets. Contact your 3M Sales Representative, visit www.3M.co.uk/ohes or call our Helpline for additional information.