

3M™ Versaflo™ S-Series Headcovers & Hoods

Technical Data Sheet



Description

The 3M™ Versaflo™ S-Series Headcovers and Hoods combine respiratory protection with head, or head, neck and shoulder coverage. Additionally, these headtops also provide eye and face protection. The headtops are designed to be used with an approved 3M™ air delivery unit to form a respiratory protective device.

Features

- All S-Series headtops:
 - Meet the highest respiratory performance requirements when used with specific 3M™ air delivery units.
 - Have reduced curvature visors for reduced reflections and glare and excellent field of view.
 - Offer improved comfort, low air flow noise and reduced fogging.
 - Connect via the new, strengthened BT-Series breathing tubes.
- Integrated head suspension headcovers and hoods:
 - Ready to use out of the box.
 - Most models available in two adjustable sizes Small and Large to comfortably fit more users than previous models.
 - Exhalation panel vents the headtop.
- Premium reusable suspension hoods: available on certain Hoods, please see Ordering Information for model and code.
 - Adjustable head circumference and crown size straps to comfortably fit more users than previous models.
 - Optional size reducing comfort pad for improved fit.
 - External airflow adjustment control.

Applications

The S-Series headtops can be used with an air-filtering unit to form a powered air respirator system or with air regulating valve to form a supplied air respirator system. According to the system chosen, protection is provided against:

- Particles e.g. fine dusts, mists and metal fume.
- Gases & vapours.
- Particles & gases combined.



Typical industries include:

- Medical and Healthcare
- Pharmaceutical Manufacturing
- Agriculture
- Food and Beverage
- Pulp and Paper Processing
- Surface Preparation and Coating
- Chemical Industry
- Woodworking

Standards

The S-Series headtops, when used as part of an 3M™ Respiratory system have been shown to meet AS/NZS 1716:2012.

The S-Series headtops meet the performance requirements of Australian Standard AS/NZS 1716:2012:

- when connected to the 3M™ TR-800, TR-600, TR-300+ and Jupiter™ Air Filter Unit.
- when connected to the 3M™ Air Regulating Valve or 3M™ Vortex™ Regulators.

Limitations

- In atmospheres containing less than 19.5% oxygen
- Confined spaces (lack of ventilation)
- When the risk is considered to be immediately dangerous for life or health (IDLH)
- If connected to Jupiter turbo unit, TR-300+, TR-600 and TR-800 Turbo units, not for use if the concentration of gas/vapour contaminant is above 10 times the Exposure Standard
- If connected to Jupiter turbo unit, TR-300+, TR-600 or TR-800 Turbo units, not for use if the concentration of particulate contaminant is above 50 times the Exposure Standard
- When connected to a continuous flow airline system with an Air Regulating Valve or Vortex regulator, AS/NZS1715 states these systems have a Required Minimum Protection Factor of 100+ against all contaminants.

Specifications

Minimum Protection Factor	10 for gas/vapour and 50 for particulates when connected to 3M™ Jupiter™ Air Filter Unit, TR-300+ and TR-600 turbo units. 100+ when connected to 3M™ Air Regulating Valve or 3M™ Vortex Regulators. 50 for particulates when connected to 3M™ Jupiter turbo unit, TR-300+, TR-600 & TR-800 Turbo units.	
Minimum Manufacturer Design Flow (MMDF)	150 l/min	
Storage conditions	-30°C to +50°C < 90%RH	
Operating temperature	-10°C to +55°C.	
Weight (without breathing tube):	S-133S = 100g S-333SG = 125g S-433S = 130g S-533S = 170g S-655 = 310g S-757 = 315g	S-133L = 110g S-333LG = 130g S-433L = 135g S-533L = 185g S-657 = 310g S-855 = 375g

Materials

- Headtop fabric (see table below for information)
- Visor (S-133/433/655/657/757) - PETG (S-333G/533/855E) - Polycarbonate
- Visor peel-offs - Polyester
- Integrated suspension headcovers and hoods:
 - Head suspension - Polyethylene
 - Air inlet – Polypropylene
- Premium reusable suspension hoods:
 - Head suspension – Polyethylene
 - Air channels – Polypropylene
 - Air inlet – ABS
 - Visor attachment clips – Nylon
 - Airflow adjustment cover - Nylon
- Comfort pad – Nylon scrim upper / polyurethane foam
- Size reducing comfort pad – Nylon scrim upper / polyurethane foam / nylon scrim lower
- Breathing tube (BT-20S/L) – Polyurethane with steel helix
- Breathing tube cover (BT-922) - Polyethylene

Note: For disposal, plastic and fabric parts can be quickly removed and separated for segregated waste streams, where facilities are available.

Model	Headtop Fabric	Exhalation panel fabric	Elastic/ Collar material
S-133S/L & S-433S/L	Spun bond polypropylene laminated to polypropylene film	Spun bond polypropylene	Nylon/ elastane face seal
S-333SG/LG & S-533S/L	Polyurethane coated knitted nylon	Spun bond polypropylene	Nylon/ elastane face seal
S-655	Spun bond polypropylene laminated to polypropylene film	N/A	Knitted cotton yarn/ elastic collar
S-657	Spun bond polypropylene laminated to polypropylene film	N/A	Nylon/ elastane elastic
S-757	Spun bond polypropylene laminated to both sides of polypropylene film Inner Shroud: Spun bond polypropylene	N/A	Nylon/ elastane elastic
S-855	Spun bond polypropylene with Kappler Zytron 200 multi-layer barrier - has sealed seams	N/A	Elastic collar material is knitted polyester

Note: S-655, S-657 & S-757 are premium hoods with reusable suspensions.

Ordering Information

Product Code	3M Code	Description
S-133S	52000045782	Head Cover (Small) with integrated head harness 1 per box
S-133L	52000045824	Head Cover (Large) with integrated head harness 1 per box
S333SG	52000045865	Low lint Head Cover (Small/ Grey) with integrated head harness - 1 per box
S333LG	52000045881	Low lint Head Cover (Large/ Grey) with integrated head harness - 1 per box
S-433S	52000045907	Hood (Small) with integrated head harness - 1 per box
S-433L	52000045923	Hood (Large) with integrated head harness - 1 per box
S-533S	52000045949	Low Lint Hood (Small) with integrated head harness - 1 per box
S-533L	52000045964	Low Lint Hood (Large) with integrated head harness - 1 per box
S-655	52000045998	Hood with replaceable head suspension - 1 per box
S-657	UU003722335	Double Shroud Hood with replaceable head suspension - 1 per box
S-757	UU003719109	Double Laminate Hood with replaceable head suspension - 1 per box
S-855	70071533338	Sealed seam hood with replaceable head harness - 1 per box

Spare Parts & Accessories

Product Code	3M Code	Description
BT-20L	70071533015	Breathing Tube
BT-922	XA007706527	Breathing Tube Cover - 1 per case
S-605	AT010582792	Replacement Hood for S-655 - 1 per box
S-607	AT010582800	Replacement Hood for S-657 - 1 per box
S-707	AT010582818	Replacement Hood for S-757 - 1 per box
S-805	70071533312	Replacement Hood for S-855 - 5 per box

S-920L	AT010584301	Visor Cover for Integrated Harness Headtop (L) - 10 per pack
S-920S	AT010584319	Visor Cover for Integrated Harness Headtop (S) - 10 per pack
S-922	AT010584327	Visor Cover for Reusable Harness Hoods - 10 per pack
S-950	70071533395	Premium Head Suspension - 1 per case
S-953	52000046152	Comfort Pad - 5 per bag

Ready to use PAPR Kits

Product Code	3M Code	Description
902-03-35	AT010583410	Jupiter™ PAPR Kit c/w S-655C Hood with charger JTS655C
902-03-36	AT010583428	Jupiter™ PAPR Kit c/w S-533C Hood with charger JTS533LC
902-03-37	AT010583923	Jupiter™ PAPR Kit c/w S-133C Hood with charger JTS133LC
TRS-133C	AT010591447	TR-300+ PAPR Kit c/w S-133 Headcover c/w Charger
TRS-333C	AT010591454	TR-300+ PAPR Kit c/w S-333 Headcover c/w Charger
TRS-433C	AT010591462	TR-300+ PAPR Kit c/w S-433 Integrated Head Harness Hood c/w Charger
TRS-533C	AT010591470	TR-300+ PAPR Kit c/w S-533 Integrated Head Harness Hood c/w Charger
TRS-655C	AT010591488	TR-300+ PAPR Kit c/w S-655 Reusable Head Harness Hood c/w Charger
TRS-657C	AT010591496	TR-300+ PAPR Kit c/w S-657 Reusable Head Harness Hood c/w Charger

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