

3M™ Scott™ RAS Asbestos Airline Breathing Apparatus



Description

Open circuit, positive pressure airline breathing apparatus generally comprising automatic positive pressure demand valve, supply hose with in-line coalescing filter to prevent particulate contamination of the air supply, medium pressure warning whistle and an airline supply hose manifold fitted with integral non-return valve and CEN type plug connection. The apparatus is mounted in a fully adjustable wipeclean PU coated polyester webbing bandolier harness.

The 3M™ Scott™ RAS Asbestos Airline Breathing Apparatus has been specifically developed to meet the needs of the asbestos removal and stripping industry. The positive pressure airline provides the highest degree of respiratory protection. The respirator canister provides an entry and egress facility.

The respirator canister is fitted to the mask with a blank cap to prevent contamination. A flap valve on the canister inlet helps preserve positive pressure within the facemask. The mask may also be fitted with a blank plug in place of the filter canister.

A medium pressure warning whistle is fitted to the demand valve supply hose to warn of airline supply failure, indicating that the wearer should switch over to the filter canister.

The wearer connects to the airline supply and puts the cover onto the filter to switch from filter to demand valve operation and removes the cover from the filter canister and deactivates the demand valve to switch over to respirator mode.

The airline supply hose can be disconnected, with an integral non-return valve preventing contamination of the supply hose. The airline connection utilises a CEN type stainless steel plug connector which is fitted to a load bearing connection to the bandolier harness, preventing the airline supply hose from pulling the mask from the face.

An in-line AA grade coalescing filter is fitted to the supply hose to prevent any particulate fibre contamination that may be present on the airline supply hose from being passed into the facemask.

3M™ Scott™ RAS Asbestos Airline Breathing Apparatus

Specifications

Approvals

CE marked in accordance with EN 14593-1:2005

Materials

O-rings	Nitrile, silicone, EPDM
MP air supply hose fittings	Nickel plated brass
Facemask	Neoprene, silicone or procomp
Facemask visor	Polycarbonate
MP air supply hose	EPDM hose, fabric braid reinforcement
Harness	PU coated polyester harness
Strap buckles	Plastic
Demand valve casing	Glass filled polyacetal and polyamide

Tempest demand valve

Compact positive pressure demand valve featuring servo-assisted, tilting diaphragm mechanism with low inspiratory resistance and responsive dynamic performance, automatic first breath actuation and hands free bypass facility. Components injection moulded from polyamide and acetyl with rubber seals and diaphragms.

First breath activation	-20 to -30 mbar
Peak flow performance	In excess of 500 litres/minute
Bypass flow	150 litres/minute nominal
Static positive pressure	1.0 – 4.0 mbar

Inline particulate filter

Inline coalescing filter for removal of particulate contamination

Air quality to ISO 8573.1: class 1 dirt

Particle 99.9999% at 0.01 micron

Hoses

Stainless steel swivel hose fittings

Medium pressure hose

Maximum working pressure	16 bar
Minimum burst pressure	80 bar

Packing specification

40x28x16cm	2.5kg
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Maintenance/cleaning/servicing

Cleaning should only be carried out as specified in the user instructions. Maintenance and servicing must only be performed by trained personnel following the procedures in the service and maintenance manual.

3M Scott Fire & Safety

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