



3M™ Scott™ ACSi Self Contained Breathing Apparatus

Question

What is the ACSi SCBA?

Answer

The ACSi SCBA is a NIOSH - approved Self-Contained Breathing Apparatus (SCBA) featuring the Advanced Carrying System, a unique, Lightweight ThermoFlex™ backplate and harness designed for greater comfort, flexibility and reduced wearer fatigue. Intended to serve the needs of industrial users, it combines 3M Scott's proven performance and safety features with enhanced user comfort and a range of optional accessories to meet various user requirements.

Question

What does ACS stand for?

Answer

ACS stands for "Advanced Carrying System," the ACSi SCBA is the industrial specification SCBA.

Question

Who uses the ACSi SCBA?

Answer

The ACSi SCBA is designed specifically to serve the needs of industrial users requiring NIOSH approved SCBA for non-fire related applications. The ACSi SCBA provides a comfortable, ergonomic, cost-effective solution for providing IDLH level respiratory protection for a wide range of industry and manufacturing processes, including petrochemical plants, chemical processing operations, foundries and steel mills, food & beverage processing, public utilities, papermaking operations and printing plants.

The ACSi SCBA is designed to give industrial users an SCBA responsive to their demand for breathing air while providing the utmost comfort and flexibility for enhanced mobility and comfort. The ACSi SCBA is not intended for fire or potential fire fighting related applications, nor is it NFPA approved.

Question

Is the ACSi SCBA approved to the latest standards?

Answer

Yes, the ACSi SCBA is approved NIOSH 42 CFR Part 84.

Question

How has the backplate been designed ergonomically?

Answer

The shape of the ThermoFlex™ backplate has been carefully designed with input from an Osteopath. The channels in the backplate are designed specifically to fit with the spine and the muscles in the back provided enhanced comfort and mobility for the user, reducing user fatigue and burden.

Question

What material is the ACSi SCBA harness made from?

Answer

The ACSi SCBA harness is manufactured from polyester webbing. The ACS harness padding is closed cell foam covered in coated nylon.

Question

Is the ACSi SCBA available in high and low pressure versions?

Answer

Yes. Both 2216 psig and 4500 psig models are available. Users can select 30-minute rated duration 2216 psig models with carbon or aluminum cylinders. The 4500 psig ACSi SCBA permits the choice of 30, 45 and 60 minute rated carbon cylinders.

Question

Why is the ACSi SCBA offered with cylinders having unique cylinder valve assemblies?

Answer

The ACSi SCBA cylinder valve assembly is designed to position the cylinder hand-wheel for ease of reach and ease of use for a lower profile, enhanced ergonomics and a reduced snag hazard. Approved, traditional 3M Scott SCBA cylinder/valve assemblies can be used on the ACSi SCBA, however the hand-wheel positioning will be linear and not right-angled.

Question

Can the ACSi SCBA be supplied with an extended duration airline?

Answer

Yes. When ordered as such, the ACSi SCBA may be equipped with an extended duration airline. This option permits a user to hold the cylinder's air in reserve while tapping into a remote air source. This allows the external air source to function as the primary air supply, thus conserving the cylinder air for back-up or emergency escape situations. With an airline connection, the user may work for extended periods of time at locations up to 300 feet (91 meters) away from the remote air source.

Question

Can the ACSi SCBA be ordered with an E-Z Flo Modulair regulator?

Answer

Yes. The ACSi SCBA can be supplied with an E-Z Flo Modulair regulator, allowing for personal issue regulators that can also be used with the Industrial SCBA (ISCBA), Ska-Pak Plus, and E-Z Airline Supplied Air Respirators. This option contributes to simplified and reduced training maintenance costs across the Scott air supplied respirator product family.

Question

What is the weight of the ACSi SCBA set?

Answer

The weight of the ACS is dependent on the type of cylinder that is being used. The ACSi with pneumatic set, less the cylinder and the facepiece, weighs approximately 5.0 lbs.

Question

Which facepieces are approved for use with the ACSi SCBA?

Answer

The ACSi SCBA can be used with the full range of Scott's AV-style facepieces including the AV2000 Facepiece, AV3000 Facepiece and AV3000 SureSeal System. These facepieces are available in a range of different sizes, materials and head harness options. The ACSi SCBA is also approved with the Weld-O-Vista Facepiece™.

Question

How does the ACSi SCBA take advantage of 3M Scott's Top-Down Convertibility?

Answer

The ACSi SCBA is available with 3M Scott's AV-series facepieces, offering 3M Scott's exclusive Top-Down Convertibility. This design platform, pioneered by Scott, allows one facepiece to be used on numerous respiratory protection products, from supplied air to air purification. This one-facepiece concept reduces costs of inventorying, training, and fit-testing multiple facepieces for each employee.

Question

Is a carrying case available?

Answer

Yes. A rigid hard carry case is available for the ACSi SCBA, as well as a soft canvas carry case.

Question

How does the ACSi SCBA cylinder retention system work?

Answer

The ACSi SCBA uses a polyester cylinder band with velcro to give a simple and secure means of holding the cylinder. This arrangement easily permits ease of cylinder changes and readily accommodates the complete range of cylinders.

Question

Is the ACSi SCBA backplate machine washable?

Answer

Yes, the ACS harness and back-pad can be sponged clean with mild solution of soap and warm water or, following removal of the pneumatics, can be manually cleaned in a bath dunk containing cleaning or disinfections solutions or machine-washed to the following care instructions:

- Machine wash at 105F max
- Do not bleach
- Do not tumble dry
- Do not dry clean

Question

Can the ACSi SCBA pneumatics be easily removed from the backplate?

Answer

Yes. The pneumatics can be removed (or replaced) from the sets quickly, without the use of tools. The pneumatics are removed in one piece with a simple, "quarter turn" and do not therefore have to be tested when this is done.

Question

Is the ACSi SCBA user serviceable?

Answer

The ACSi is fully user serviceable. The user can service and test each part of the set with no need for any of it to be returned to the factory. To carry out this servicing the user must be trained by a qualified person.

Question

Where can I get service for the 3M Scott Fire & Safety ACSi SCBA should it be required?

Answer

3M Scott Fire & Safety offers the most extensive service center network in the industry. Authorized technicians can quickly perform any required service.

3M Scott Fire & Safety

Personal Safety Division
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