



# 3M™ Scott™ Ska-Pak Plus Supplied-Air Respirator



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### Question

What is the 3M™ Scott™ Ska-Pak Plus Supplied-Air Respirator (SAR)?

### Answer

The Ska-Pak Plus SAR is a combination Type C positive pressure respirator with escape cylinder for entry and escape from hazardous atmospheres, confined space or immediately dangerous to life or health (IDLH) environments.

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### Question

Where can the Ska-Pak Plus SAR be used?

### Answer

The Ska-Pak Plus SAR can be used in environments that are IDLH or could become IDLH.

The Ska-Pak Plus SAR is ideal for many applications, including confined space operations, hazardous materials handling, and general maintenance jobs for numerous markets, including chemical, petrochemical, oil and gas, ship-building and public utilities.

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### Question

What does the Ska-Pak Plus consist of?

### Answer

The respirator consists of an adjustable body harness, a cylinder and valve assembly mounted on the harness for storing compressed breathing air, a pressure reducing regulator with an airline connection hose, a hose assembly connecting the pressure reducer to the mask-mounted regulator (MMR), and a facepiece assembly.

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### Question

What are the key features of the Ska-Pak Plus Supplied-Air Respirator?

### Answer

- Type C combination Supplied-Air Respirator with escape cylinder that is NIOSH approved to provide respiratory protection during entry into, work in and escape from hazardous, confined space, or immediately dangerous to life or health (IDLH) situations.
  - The E-Z Flo regulator is designed for easy use with gloved hands, enables easy breathing, and has a two-step secure attachment and removal to help ensure worker confidence.
  - Option to choose between the E-Z Flo Regulator or E-Z Flo Modulair Regulator with quick disconnect fitting for easy removal from SAR when needed.
  - A cylinder valve mounted pressure gauge.
  - Optional “E-Z Fill” auxiliary fitting facilitates direct connection to high-pressure cylinder charging systems to enhance efficiency (only available with the 3000 psi and 4500 psi cylinders).
  - E-Z Klip cylinder retention system for quick, easy cylinder change out.
  - Two padded harness styles: Fire Resistant Kevlar® or nylon harness either equipped with shoulder padding for worker comfort.
  - Multiple cylinder pressures, durations, and airline connector options.
  - Top-Down Convertibility.
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**Question**

How is air supplied?

**Answer**

Breathing air is supplied to Ska-Pak Plus SAR from a remote source. This source may be a permanent or portable cascade system, or an in-plant system for compressed breathing air.

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**Question**

What type of supply air should be used?

**Answer**

As a Type C respirator, the Ska-Pak Plus SAR requires an air supply that meets the requirements of the Compressed Gas Association (CGA) for Grade “D” or better breathing air. These requirements include air containing no less than 19.5 percent oxygen.

Complete information on CGA requirements may be obtained by requesting the Commodity Specification for Air from CGA Inc., 14501 George Carter Way, Suite 103, Chantilly VA 20151-2923.

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**Question**

How do I know whether I am breathing airline air or escape cylinder air?

**Answer**

When there is a switch-over to cylinder air, the tactile Vibralert alarm will vibrate on the user’s face acting as a personal alarm and lets the user know they are breathing from the escape cylinder and should evacuate.

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**Question**

How does the Ska-Pak Plus SAR take advantage of 3M Scott’s Top-Down Convertibility?

**Answer**

The Ska-Pak Plus SAR is compatible with 3M Scott’s AV-series facepieces, offering Scott’s Top-Down Convertibility. This design platform, pioneered by 3M Scott, allows one facepiece to be used with numerous respiratory protection products, from supplied-air to air purification.

Versatility of facepiece helps lower cost of ownership through reduced fit testing, simplified training, and simplified inventory requirements.

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**Question**

What airline couplings are available for the Ska-Pak Plus?

**Answer**

The Ska-Pak Plus is available with Hansen, Schrader, CEJN, Hansen HK plug or Hansen HK socket industrial air interchange fittings. The variety of couplings gives users the opportunity to select a specific air supply as a dedicated source of breathing air.

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**Question**

Is the Ska-Pak Plus SAR approved to the latest standards?

**Answer**

The Ska-Pak Plus SAR is approved to NIOSH 42 CFR Part 84.

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**Question**

What is the shelf life for the Ska-Pak Plus SAR?

**Answer**

Providing the apparatus is serviced regularly in accordance with the service requirements detailed in the Ska-Pak Plus Service Manual, there are no shelf life limits.

Aluminum-lined, carbon fiber-wrapped cylinders are subject to the lifespan requirements of the US Department of Transportation (DOT).

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**Question**

Why does the Ska-Pak Plus SAR offer 2 different Harness Options?

**Answer**

The different harness options are available for different application needs. The two harness styles are:

- Padded Nylon that is designed to be comfortable and lightweight.
  - Padded fire-resistant Kevlar® for high heat environments or when there is potential for sparking.
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**Question**

Can the Ska-Pak Plus SAR be ordered with an E-Z Flo Modulair regulator?

**Answer**

Yes. The Ska-Pak Plus SAR can be supplied with an E-Z Flo Modulair regulator, allowing for personal issue regulators that can also be used with the ISCBA SCBA, ACSi SCBA and E-Z Airline Supplied-Air Respirators. This option contributes to simplified and reduced inventory, training, and maintenance costs across the 3M Scott air supplied respirator product family.

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**Question**

What escape cylinder options are available?

**Answer**

Available with the following rated cylinders:

- 5-minute 2216 psi aluminum.
  - 5-minute 3000 psi carbon.
  - 10-minute 3000 psi carbon.
  - 15-minute 4500 psi carbon.
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**Question**

Can the Ska-Pak Plus SAR connect to a 3M Scott external air source?

**Answer**

Yes. The Ska-Pak Plus SAR can be connected to the 3M™ Scott™ portable air sources to build a complete supplied-air system such as the 3M™ Scott™ Mobile Air Cart or the 3M™ Scott™ TRC-1 (Technical Rescue Carts) Air Cart. These external air sources accommodate various compressed air cylinder quantities, sizes and can provide an uninterrupted supply of breathing air for several respirator users.

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**Question**

What is the maximum length of hose that may be used to supply air to the Ska-Pak Plus SAR?

**Answer**

When employed as an entry/egress system with Hansen, Schrader or CEJN couplings, the Type C airline respirator is capable of being used with up to 300 feet of airline hose (including a maximum of 12 individual segments).

When Hansen HK fittings are employed, the respirator shall be capable of being used up to 150 feet with a maximum of 6 airline segments from the air source

3M™ Scott™ Airline Hoses are available from 3M™ Scott™ Fire & Safety in Black neoprene rubber material.

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**Question**

Can the air supply pressure for Ska-Pak Plus SAR exceed 125 psig?

**Answer**

An air source exceeding 125 psig may be used providing the pressure can be reduced to the Ska-Pak Plus's pressure range. The air source must have a safety pressure relief valve to prevent pressures greater than 125 psi from reaching the end user.

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**Question**

What is the minimum air supply requirement for Ska-Pak Plus SAR?

**Answer**

The air supply system must be capable of maintaining the air pressure at the point of attachment of the supply hose to the air supply system at no less than 60 psig.

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**Question**

What type of maintenance is required?

**Answer**

Routine maintenance requirements are described in Ska-Pak Plus's operating and maintenance instructions, which are shipped with each unit.

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**Question**

Where can I get service for the Ska-Pak Plus should it be required?

**Answer**

3M™ Scott™ Fire & Safety offers an extensive service center network. Authorized technicians can quickly perform any required service, ensuring that critical safety equipment is repaired and placed back into service with minimal downtime.

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**3M Scott Fire & Safety**

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