



3M™ Scott™ E-Z Airline Supplied Air Respirator

Question

What is the E-Z Airline Supplied Air Respirator?

Answer

The E-Z Airline is a NIOSH approved Type C airline respirator for non-IDLH environments. The E-Z Airline is designed to supply clean breathing air to a user from a remote source. The airline respirator consists of a facepiece, facepiece-mounted regulator, harness and hose assembly.

Question

What are some of the advantages of E-Z Airline?

Answer

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

Question

How does the E-Z Airline respirator take advantage of 3M Scott's Top-Down Convertibility?

Answer

The E-Z Airline respirator is compatible with 3M Scott's AV-series facepieces, offering 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. These benefits include:

- **Reduced fit-testing time and costs.**
Because the user can wear the same facepiece on various types of respirators, fit-testing is easier and more efficient. There is no need to fit-test on alternate facepieces for different applications.

- **Simplified respirator user training programs.**

Since some components may be used across the Scott product line, user training is more effective. A respirator user now only needs to be familiar with one facepiece, which can be used on the E-Z Airline as well as other Scott respirators.

- **Reduced equipment costs.**

Again, because the user requires only one facepiece for various types of respirators, equipment costs are reduced.

Question

Where can the E-Z Airline be used?

Answer

As with any Type C respirator, the E-Z Airline should not be used in an atmosphere which is IDLH -- or could become -- IDLH (Immediately Dangerous to Life or Health). It is only approved for use in a non-IDLH environment from which a user could safely escape without use of a self-contained breathing apparatus.

Like all respirators, E-Z Airline should only be used under the direction of your company's respiratory protection program.

Typical E-Z Airline applications include in-plant maintenance, painting and coating operations.

Question

How is air supplied?

Answer

Breathing air is supplied to E-Z Airline from a remote source. This source may be a permanent or portable cascade system, or an in-plant system for compressed breathing air.

Question

What type of supply air should be used?

Answer

As a Type C respirator, the E-Z Airline 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.

Question

What types of couplings are available?

Answer

The E-Z Airline respirator is available with Hansen, Hansen HK, Foster, CEJN or Schrader couplings. The variety of couplings gives users the opportunity to select a specific air supply as a dedicated source of breathing air.

Question

What is the maximum length of hose that may be used to supply air to the respirator?

Answer

E-Z Airline respirators with Foster, Hansen, CEJN or Schrader couplings are approved for use with supply lines up to a maximum of 300 feet long with a maximum of 12 segments.

Airlines with Hansen HK fittings are restricted to 150 feet with a maximum of 6 segments because the male couplings of these fittings contain check valves which would restrict the air flow in an airline supply longer than 150 feet.

Question

Can the respirator user with an existing inventory of supply hose employ this hose with the E-Z Airline?

Answer

Yes. Existing Scott hose can be used provided it is identifiable and listed on the respirator's approval label as an approved supply line. Maximum length of hose and number of segments for coupling use should be followed.

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Question

Can the air supply pressure for E-Z Airline exceed 125 psig?

Answer

An air source exceeding 125 psig may be used providing the pressure can be reduced to the E-Z Airline's pressure range. The air source must have a safety pressure relief valve.

Question

What is the minimum air supply requirement for E-Z Airline?

Answer

An air source less than 60 psig can cause the E-Z Airline to go negative or the air supply lines to droop. The air source must maintain at least 60 psig at all times.

Question

What type of maintenance is required?

Answer

Like all Scott Safety respirators, the E-Z Airline respirator is designed for trouble-free maintenance. Routine maintenance requirements are described in E-Z Airline's operating and maintenance instructions, which are shipped with each unit. Likewise, Scott offers the most extensive service center network in the industry. Authorized technicians can quickly perform any required service.

Question

How is E-Z Airline certified?

Answer

E-Z Airline has been certified by NIOSH under the requirements for Type C airline respirators. These requirements are described in the Code of Federal Regulations (CFR) and include standards for such characteristics as air flow resistance and exhalation valve performance.

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