



3M™ Scott™ Emergency Breathing Safety System (EBSS)



Question

What is an Emergency Breathing Safety System (EBSS)?

Answer

The EBSS is an accessory option for the SCBA intended to support “buddy” breathing operation between two users with compatible SCBA.

Question

How does the Universal Emergency Breathing Safety System (UEBSS) differ?

Answer

The UEBSS was introduced as part of the NFPA 1981, 2018 Edition standard and incorporates standardized Rectus-type fittings to enable compatibility between all NFPA SCBA manufacturers. In addition, the UEBSS has a defined operating pressure range of 80 to 150 psig.

Question

Is the UEBSS required on all SCBA certified to the NFPA 1981, 2018 Edition standard?

Answer

No. The UEBSS is an optional accessory to the SCBA.

Question

Can the UEBSS be installed on SCBA certified to prior editions of NFPA 1981?

Answer

No. The UEBSS is not certified under previous editions of the NFPA 1981 standard.

Question

Will 3M Scott offer an EBSS solution to provide compatibility with the UEBSS?

Answer

Yes. 3M Scott offers an EBSS hose and manifold assembly with Rectus-type fittings (part number 201699-01) for use with 3M™ Scott™ Air-Pak™ X3 Pro SCBA and 3M™ Scott™ Air-Pak™ X3 SCBA certified to the NFPA 1981, 2013 Edition standard. This solution provides compatibility with SCBA that are certified to the NFPA 1981, 2018 Edition standard and configured with the UEBSS.

Question

Does the solution above qualify as a Universal EBSS as defined by the NFPA 1981, 2018 Edition standard? If so, can I install a pouch with the UEBSS marking?

Answer

No. Although the fittings are the same as what is required on the Universal EBSS, the term “UEBSS” and the associated pouch are reserved for SCBA certified to the NFPA 1981, 2018 Edition standard. This is true for new SCBA and SCBA that are upgraded from a prior edition.

Question

If I install the EBSS hose and manifold assembly with Rectus-type fittings to my existing SCBA, does this qualify as an upgrade to the NFPA 1981, 2018 Edition standard?

Answer

No. An upgrade kit to the NFPA 1981, 2018 Edition standard will consist of additional components.

Question

Will 3M Scott offer an upgrade kit to the NFPA 1981, 2018 Edition standard?

Answer

Yes. As noted in prior documentation, upgrade kits will be available for the Air-Pak X3 SCBA and Air-Pak X3 Pro SCBA (timing TBD).

Questions & Answers

Question

Can I convert the quick-disconnect regulator on my NFPA 1981, 2013 Edition SCBA to the Rectus-type fittings?

Answer

No. The quick-disconnect regulator with Rectus-type fittings is not currently approved for use with the Air-Pak X3 Pro SCBA and Air-Pak X3 SCBA, certified to the NFPA 1981, 2013 Edition standard. As of the date of this document, 3M Scott is working on obtaining all required approvals.

Question

Will the EBSS hose and manifold assembly with Rectus-type fittings be available for the 3M™ Scott™ Air-Pak™ 75 SCBA and 3M™ Scott™ Air-Pak™ Wireframe SCBA?

Answer

No. The EBSS hose and manifold assembly with Rectus-type fittings is not currently available for the Air-Pak 75 and Air-Pak Wireframe SCBA.

Question

Can I use the UEBSS or EBSS hose and manifold assembly with Rectus-type fittings as a supplied airline?

Answer

Yes. The EBSS hose and manifold assembly with Rectus-type fittings will function as a supplied airline by using the compatible extended duration airline adapter.

Question

Does 3M Scott offer a RIT solution compatible with the UEBSS or EBSS hose and manifold assembly with Rectus-type fittings?

Answer

Yes. The 3M™ Scott™ RIT-Pak III Emergency Air Supply and 3M™ Scott™ RIT-Pak Fast Attack Emergency Air Supply are available in configurations compatible with the UEBSS or EBSS hose and manifold assembly with Rectus-type fittings. Customers may also upgrade existing RIT-Pak III and RIT-Pak Fast Attack models to add the Rectus-type fittings.

Question

Does the UEBSS or EBSS hose and manifold assembly with Rectus-type fittings operate the same as the Dual EBSS with Hansen-type fittings?

Answer

No. The operation will be identical except for the following scenario:

WHEN TWO RESPIRATORS ARE CONNECTED BY THE UEBSS HOSES AND THE RESPIRATOR REQUIRING SUPPORT (THE RECEIVER) HAS ACTIVATED ITS VIBRALERT, THE PERSON GIVING SUPPORT (THE DONOR) WILL BREATHE AIR FROM RECEIVER'S RESPIRATOR. IN ADDITION, THE VIBRALERT ON THE DONOR'S RESPIRATOR WILL NOT ACTIVATE. FOR MORE INFORMATION, CONTACT 3M OR YOUR AUTHORIZED 3M SCOTT DISTRIBUTOR.

SCBA Model	NFPA 1981 Certification	Hansen-type Fittings		Rectus-type Fittings	
					
3M™ Scott™ Air-Pak™ Wireframe SCBA	2013 Edition	Yes	Yes	No	No
3M™ Scott™ Air-Pak™ 75 SCBA	2013 Edition	Yes	Yes	No	No
3M™ Scott™ Air-Pak™ X3 SCBA	2013 Edition	Yes	Yes	Yes	Pending
3M™ Scott™ Air-Pak™ X3 Pro SCBA	2013 Edition	Yes	Yes	Yes	Pending
3M™ Scott™ Air-Pak™ X3 Pro SCBA	2018 Edition	No	No	*Yes	Yes

*Referred to as UEBSS



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