



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 (and subsequent standards)?

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 to prior editions of the NFPA 1981 standard.

Question

Does 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 (3M catalog 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 subsequent standards) and configured with the UEBSS.

Question

Does the solution above qualify as a Universal EBSS as defined by the NFPA 1981, 2018 Edition standard (and subsequent standards)? 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 (and subsequent standards). 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 (or subsequent standard)?

Answer

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

Question

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

Answer

Yes. The quick-disconnect regulator with Rectus-type fittings is approved for use with the Air-Pak X3 Pro SCBA and Air-Pak X3 SCBA, certified to the NFPA 1981, 2013 Edition standard.

Questions & Answers

Question

Is the EBSS hose and manifold assembly with Rectus-type fittings 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 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

Do all supplied airline connection types require the use of an adapter to connect to the EBSS or UEBSS hose and manifold assembly?

Answer

Supplied airline hoses equipped with a CEJN connection type can be connected to the EBSS or UEBSS hose and manifold with Rectus-type fittings without the use of an adapter. This configuration is approved with the Air-Pak X3 and Air-Pak X3 Pro SCBA models certified to the NFPA 1981, 2013 Edition standard and all 3M Scott SCBA models certified to the NFPA 1981, 2018 Edition standard (and subsequent standards).

Connecting a supplied airline hose to the EBSS with Hansen-type fittings will require use of an extended duration airline adapter, regardless of connection type (e.g., Hansen, Schrader, Foster, or Hansen HK).

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 1970 Certification	Hansen-type Fittings		Rectus-type Fittings	
					
3M™ Scott™ Air-Pak™ XD SCBA	2025 Edition	No	No	Yes*	Yes
3M™ Scott™ Air-Pak™ X3 Pro SCBA	2025 Edition	No	No	Yes*	Yes

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	Yes
3M™ Scott™ Air-Pak™ X3 Pro SCBA	2013 Edition	Yes	Yes	Yes	Yes
3M™ Scott™ Air-Pak™ X3 Pro SCBA	2018 Edition	No	No	Yes*	Yes
3M™ Scott™ Air-Pak™ XD SCBA	2018 Edition	No	No	Yes*	Yes

*Referred to as UEBSS



Personal Safety Division
3M Scott Fire & Safety
Monroe Center, P.O. Box 569
Monroe, NC 28110

Phone: 1-800-247-7257
Email: 3msupport.scott.us@mmm.com
Web: 3M.com/ScottFire (US)
3M.ca/ScottFire (Canada)

3M, Scott, and Air-Pak are trademarks of 3M.
Used under license in Canada. All other trademarks
of the property of their respective owners.
© 2026, 3M. All rights reserved.