

CITY OF DULUTH  
MINIMUM SPECIFICATIONS FOR  
**INTEGRATED FIRE FIGHTER SELF RESCUE DEVICE FOR SCOTT SCBA**

Bids to meet or exceed specifications listed below. Any deviations or substitutions must be approved by the City of Duluth and the Duluth Fire Department.

Scope and Purpose:

This specification covers Scott SCBA Integrated Fire Fighter Self Rescue Devices which allow fire fighters to safely and rapidly escape from hostile, above grade, situations which would cause severe injury or death. All components and construction will meet or exceed **NFPA 1983 (2006 Revision)**, **NIOSH certified** and **NFPA 1981, 2007 Edition compliant as a component of the Self-Contained Breathing Apparatus (SCBA)**.

Compliance:

Manufacturer shall provide independent third party certification to verify that the **SCBA INTEGRATED FIRE FIGHTER SELF RESCUE DEVICE** meets/exceeds **NFPA 1983 (2006 Revision)**, **NIOSH certified** and **NFPA 1981, 2007 Edition compliant as a component of the Self-Contained Breathing Apparatus (SCBA)**. The manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality. All components used in the construction of these garments shall be tested for compliance to **NFPA Standard 1983 (2006 edition)** by Underwriters Laboratories (UL).

SCBA Model:

The **SCBA INTEGRATED FIRE FIGHTER SELF RESCUE DEVICE** will be for the Scott Air-Pak 50 with aluminum back frame.

Load Rating:

The complete system shall be capable of a 3,034 lb. static load, exceeding the **NFPA 1983 (2006 edition)** 300 lb. requirement.

The assembly shall consist of the following components:

Waist Belt:

The waist belt shall be available in three waist belt lengths, to fit waist sizes 28-34 inches, 32-42 inches or 42-52 inches. The belt shall be made of Kevlar with integrated gear loop and inverted buckle. The belt shall include a positioning ring and axe loop. As a safety feature, the belt assembly shall be detachable to enable user to remain on air after descent.

Life Safety Rope:

The life safety rope shall be available in TSAFE 7.5mm escape rope length of 50 ft. The TSAFE escape rope shall be rated at a 4,000 lb static load. The rope assembly shall be available as a replacement part. The rope will be stored in integrated, water resistant rope pouch attached to the waist belt.

B/S Approved:

Date: June 13, 2012  
Spec. New

Fall Descent Device:

The system shall incorporate an F4 descender with single brake for descending in an emergency egress situation.

Anchor Connector:

The system shall include a Crosby 360 hook.

Exceptions to Specifications:

Any and all exceptions to the above specifications must be clearly stated for each heading. The garments shall be manufactured in the United States of America.