Scott RIT Pak III

Fauquier County

Objectives

- Identify the parts of the RIT Pak III system
- Identify options for supplying air from the RIT Pak III to a downed fire fighter
- Demonstrate how to secure the RIT Pak III to a downed fire fighter

Overview

- Dimensions
  - 33” L x 10.5” W x 8.5” H
  - Weight approximately 38 pounds
- Features
  - Reflective Stripes
  - Skid Plate for easier dragging
  - External pressure gauge
  - Easy grip handles
  - Low air alarm bell

Overview cont.

- Parts
  - Carrying bag
  - Adjustable shoulder strap
  - 6’ EBSS Hose
  - 5’ UAC Hose
  - RIT Pak III face piece
  - EZ Flo Regulator
  - 60 minute SCBA cylinder

Overview cont.

- Maintenance
  - Inspect cylinder and bag after every use
  - Check all air hoses for damage
  - Clean the carrying bag as needed with a mild detergent
  - Dry thoroughly, do not store wet

Overview

Compartment with the round handle; Low pressure connections

Compartment with the "T" Handle; High Pressure connections

Overview

- Pressure Gauge with LED lights
- Two Green Lights = Full
- One Orange Light = Half
- One Red light = One quarter

Air Connections

- RIC Hose aka UAC (Universal Air connection)
  - Theory- air pressure will equalize between regardless of cylinder size
    - If the down fire fighter's cylinder is damaged do not attempt the UAC
  - Connection
    - Must be straight on, if not, damage to pin may occur
    - Takes approximately 30 seconds to equalize

Note: This is the primary method of providing air to a downed fire fighter


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Air Connections

- UAC cont.
  - Techniques
    - Grasp the UAC on the down firefighter's pack with your thumb up
    - Follow your thumb down to the UAC and make the connection

Air Connections

- UAC
  - Operations
    - Ensure the fire fighter's pack is operational and is not damaged
    - Ensure both the RIT bag and Air Pak are turned fully on
    - Remove the dust cap from both UAC connections
    - Place the UAC hose on the UAC connection and press firmly
    - Once the transfer is complete remove the hose and return it to the carrying bag

Air connections

- Low Pressure Hoses
  - Male and Female connections
    - Buddy Breather
    - Regulator
  - Techniques
    - Connect the fire fighter's buddy breather to the low pressure hose from the RIT bag (male or female is acceptable)
    - Connect the low pressure hose to the fire fighter's face piece


RIT-PAK USE ONLY

Air Connections

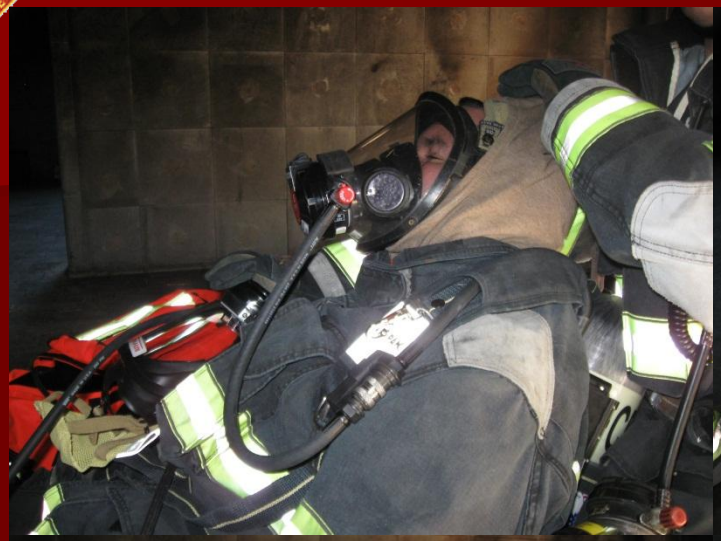
- Low Pressure Hose cont.
  - Operation
    - If the fire fighter's cylinder is damaged do not attempt the UAC
    - Connect the RIT buddy breather to the fire fighter's buddy breather
    - Connect the low pressure hose to the regulator
      - NOTE: when the RIT buddy breather is attached to a non-RIT regulator the vibralert will constantly vibrate

Air Connections

- Face piece and Regulator Change Out
  - Parts
    - Scott Sure Fit RIT III Face Piece with metal pull rings
    - EZ Flo Regulator without alarm
  - Replacement of Regulator
    - Turn on air at RIT regulator (purge valve or depress center)
    - Remove fire fighter's regulator
    - Place RIT regulator on fire fighter's face piece and turn until locked
      - NOTE: there is no vibralert in the RIT regulator, instead there is a bell in the pressure reducer that dings when the air supply is at ¼ full

Air Connections

- Replacement of Face Piece
  - Pull Nomex hood off of fire fighter's head
  - Pull face piece away from face and up over the head
  - Turn on air at RIT face piece (purge valve or depress center)
  - Place RIT face piece to the face of fire fighter
  - Place netting over fire fighter's head
  - Tighten down all five straps on face piece
  - Put Nomex hood back over fire fighter's head





RIT-PAK USE ONLY

Packaging

- Prior to attempting to remove a down fire fighter from a structure, the fire fighter should be packaged to facilitate an effective rescue

Packaging

- Start by tightening the shoulder strap down and half hitching the straps

Packaging

- Next tighten the waist strap
- Lastly thread the shoulder strap of the RIT bag through the SCBA shoulder straps and attach it back to the RIT bag
- The RIT Pack will ride on top of the fire fighter and in between the legs
  - NOTE: placing the waist strap through the legs may not be possible the waist strap

Packaging

Review

- How long is the EBSS Hose?
- 6 Feet

Review

- How long is the UAC Hose?
- 5 Feet

Review

- How long can it take for two cylinders to equalize pressures when using the UAC?
- Approximately 30 seconds

Review

- Name three ways to give a down fire fighter air with the RIT Pack III.

- UAC Connection
- EBSS connection to EBSS connection
- EBSS to fire fighter's regulator
- Regulator change out
- Face piece change out

Questions?