



## RIT PAK III

### EMERGENCY AIR-SUPPLY - BID SPECIFICATIONS

#### General Cylinder Requirements

The purpose of this bid specification is to establish the minimum requirements for an auxiliary air source to be used by Rapid Intervention Teams. The air source shall consist of the following components: (1) a carrying bag; (2) external pressure gauge; (3) an audible low-pressure alarm; (4) a Universal Air Connection high-pressure emergency airline that will function with any manufacturers NFPA 1981, 2002 compliant or newer self-contained breathing apparatus; (5) a low-pressure airline hose assembly with a low-pressure manifold that has a Scott style male and female quick disconnect and additional ports to allow the use of other SCBA manufacturer's low-pressure fittings; (6) a RIT Style facepiece (optional) and (7) a pressure regulator (optional).

The successful bidder agrees to provide, at their own expense, a factory trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment. Failure to do so will automatically disqualify the bidder.

The successful bidder must be a sales distributor, authorized by the manufacturer, to sell the equipment specified herein. A signed document from the manufacture confirming this must be included with the bid.

The SCBA shall maintain all NIOSH standards with any of the following types of cylinders listed as provided by the SCBA manufacturer.

The Emergency Air-Supply System shall comply with the strict U.S. federal guidelines of being "Made in the USA."

#### Operational Requirements:

<i>Carrying Bag</i>	Product:		
	Meets	Does Not Meet	Exception
• The carrying bag material shall be a highly visible orange and resistant to heat and flame.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The carrying bag shall include reflective striping to increase visibility of the product in low-light conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The carrying bag shall be equipped with ten (10) d-rings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Located on the top of the carrying bag shall be a tool pouch.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Located on the top of the carrying bag shall be a rope pouch capable of holding 75 feet of 3/8" rope.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The length of the shoulder strap shall be adjustable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The shoulder strap shall be equipped with two (2) seat belt buckles.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The shoulder strap shall be equipped with two (2) non-locking carabineers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• The carrying bag shall have three flap openings: (1) high-pressure access; (2) low-pressure access and (3) cylinder access.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Product:		
	Meets	Does Not Meet	Exception
<i>Carrying Bag (Continued)</i>			
<ul style="list-style-type: none"> <li>The tab of the low-pressure access flap shall be differentiated from the tab of the high-pressure access flap through a tactile grip that can easily be detectable while wearing gloves.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The carrying bag shall be equipped with a highly-durable, low-friction skid plate.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>External Pressure Gauge</i>			
<ul style="list-style-type: none"> <li>The gauge face shall be luminescent for easier reading in low-light conditions.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The external pressure gauge shall be equipped with pressure indicator light emitting diodes (LED): (2) green LEDs when cylinder pressure is 100% to 76%; (1) green LED when cylinder pressure is 75% to 51%; (1) amber LED when cylinder pressure is 50% to 26%; and (1) blinking red LED when cylinder pressure is below 25%. An additional orange LED shall be included to indicate low battery alarm.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>An LED shall be cast across the gauge face to increase readability in dark environments.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The external pressure gauge shall be powered by two (2) AA batteries.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The external pressure gauge shall be tethered to the carrying bag.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Audible Low-Pressure Alarm</i>			
<ul style="list-style-type: none"> <li>The air-source shall include an audible low-pressure alarm that is pneumatically activated at 25% of cylinder pressure.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Universal Air Connection High-Pressure Emergency Airline</i>			
<ul style="list-style-type: none"> <li>The Universal Air Connection (UAC) high-pressure emergency airline assembly shall be five (5) feet in length.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The UAC Adapter assembly shall have a highly visible stripe on the quick-charge coupling.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The quick-charge coupling on the UAC high-pressure emergency airline shall include a rubber protective cap to protect from debris and contaminants.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Low-Pressure Airline Hose Assembly</i>			
<ul style="list-style-type: none"> <li>The low-pressure airline hose assembly shall consist of a pressure reducer, a six (6) foot airline hose, and a low-pressure manifold block.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Low-Pressure Airline Hose Assembly (Continued)</i>	Product:		
	Meets	Does Not Meet	Exception
<ul style="list-style-type: none"> <li>The low pressure manifold block shall include a male airline fitting, a female socket assembly and two (2) additional ports to enable the use of multiple manufacturers' low-pressure quick disconnect fittings.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The low-pressure airline hose shall be able to accommodate an air pressure of 250 psi.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The female socket shall be able to accommodate the "male" end of a low-pressure hose coming off the regulator that is attached to the respirator user's full facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The low-pressure airline hose assembly shall be able to connect to the Scott Dual Emergency Breathing Support System (EBSS).</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>RIT Style Full Facepiece (Optional)</i>			
<ul style="list-style-type: none"> <li>The RIT Style shall be designed to increase the visibility of the wearer's face to the rescue team.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The facepiece shall have a positioning tab on the head harness and large d-rings on the bottom head harness adjusting straps to ease donning of the facepiece on a victim by the rescue team.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Pressure Regulator</i>			
<ul style="list-style-type: none"> <li>The pressure regulator shall be able to connect to a RIT Style full facepiece.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure regulator shall include a three (3) foot low-pressure hose.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> <li>The pressure regulator shall be equipped with an emergency by-pass knob.</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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