



The Florissant Valley Fire Protection District is accepting sealed bids per specifications to purchase Self-Contained Breathing Apparatus (SCBA). All bids should be marked “SEALED BID/SCBA” and mailed or delivered to the Fire District Administrative Office, 661 St. Ferdinand Street Florissant, Missouri 63031 between the hours of 8:00 AM - 4:00 PM Monday through Thursday and 8:00 AM - 3:00 PM on Friday. Sealed Bids will be accepted from 8:00 a.m. on Monday, July 29, 2024 and all bids must be submitted by 4:00 p.m. on Monday, August 12, 2024. Bids will be opened by the Board of Directors on August 13, 2024 and reviewed by the SCBA committee before the Bid will be awarded.

The Florissant Valley Fire Protection District reserves the right to reject any or all bids, to waive variations or formalities, and to negotiate changes, additions, or deletions. The Florissant Valley Fire Protection District reserves the right to accept the bid it deems to be in the Fire District’s best interest and will not necessarily be obligated to accept the lowest bid. The Fire District also reserves the right to extend the timeframe to submit bids, as well as extending the timeframe to open the bids. If you should have any further questions, then please call 314-599-7580 and ask to speak with Captain Brian McHugh.

The Florissant Valley Fire Protection District hereby notifies all bidders that it will affirmatively insure that in any contract entered pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for award.

GENERAL SPECIFICATIONS

Self-Contained Breathing Apparatus

- SCBA - must comply with the NFPA 1981 Standard, 2018 Edition
- Integrated PASS device - must comply with the NFPA 1982 Standard, 2018 Edition
- Must be most current design
- Mask Mounted regulator
- 5500 psi, 45-minute carbon fiber cylinders
- Integrated firefighter locator system
- Integrated Air-Management and Electronic Accountability System
- Buddy breathing capability
- Integrated Ladder Belt System
- RIT Bags

Equipment Requirements

The SCBA harness assembly shall meet the following requirements:

- The SCBA harness shall be a solid, one-piece black powder-coated aluminum alloy frame that is contoured to follow the shape of the user's back and be made of aircraft aluminum alloy.
- The SCBA shall have separate primary and secondary pressure reducers that operate independently of one another and that alerts the SCBA operator in the event of a failure of the primary reducer.
- The SCBA harness assembly shall include a waist pad and shoulder pads constructed of an outer shell material and incorporating a closed cell foam design to minimize water absorption.
 - The waist pad must be an integrated belt that is compliant with NFPA 1983, 2012 edition as a component of the NFPA 1981, 2013 of the SCBA
 - The waist belt shall have dual adjustment points
 - The waist belt shall have the COBRA buckle system
 - The waist belt shall include a D-Ring integrated into the front buckle that can be utilized as an NFPA 1983 attachment or position point.
 - The system shall have an option for a strap that can be connected to D-ring on the front buckle and for use as an NFPA approved ladder belt and extends the functionality to numerous RIT capabilities.
- The harness assembly shall be equipped with a buddy breathing system.
 - The low pressure supply line shall be permanently affixed to the SCBA harness.
- Each self-contained breathing apparatus must include a firefighter locator system transmitter as standard equipment. This transmitter shall be activated automatically when the PASS device is activated. The proposal shall include the programming unit required to personalize the integrated PASS/locator system units.
- Each SCBA shall be equipped with electronic air-management system. This system will allow fire ground command to:
 - monitor a firefighter's air
 - evacuate a firefighter, a company, or the entire scene
 - be notified of a pass alarm activation
 - be notified of a low cylinder alarm activation
 - allow a firefighter to communicate to command a firefighter initiated withdraw
 - allow command to conduct a Personal Accountability Report for each individual firefighter
- Each PASS console will display the SCBA wearer's air status on the front of the console matching the wearer's internal HUD so that air status can be seen by personnel other than the firefighter themselves
- The harness shall have a mask hook assemble for each shoulder harness (2 per SCBA harness assembly)
- The harness shall have a chest strap.

The cylinders shall meet the following requirements:

- The cylinders shall be 5500 psi pressure with a 45 minute duration
- The cylinder shall attach to the harness by way of a quick connect mechanism. The quick connect mechanism shall be a part of the cylinder valve and not a removable adaptor.
- The cylinder valve shall have a one-way valve so that the operator does not have to open the valve during refilling operations.
- The cylinders shall have an identifying band or "FVFPD" printed on each cylinder under the gel coat.

The facepiece assembly shall meet the following requirements:

- In order to provide a robust interface with the breathing regulator, the facepiece shall serve as the female half of a quarter (1/4) turn coupling that also includes the positive pressure breathing regulator serving as the male half of said connection
- The facepiece shall contain inhalation valves that are contrasting in color and readily visible to enable quick visual inspection
- Multi-directional voicemitters shall be recessed on both sides of the facepiece and ducted directly to an integrated nose cup to enhance voice transmission around the wearer.
- The head harness is a component of the facepiece assembly and shall have five points of suspension connection, four of which shall be adjustable, made in the fashion of a net hood to minimize interference between securing of the facepiece and the wearing of head protection.
- The facepiece shall not have an exhalation valve.

The regulator shall meet the following requirements:

- The regulator shall have two locking mechanisms to ensure that the regulator does not become detached from the facepiece during operations.
- The regulator shall have an exhalation valve.
- The regulator shall have an external Heads up Display showing the operators air supply by way of led lights.
- The EOSTI shall be located in the regulator and shall notify the SCBA operator of a low cylinder event by way of tactile and audible alarms. The air used to power the EOSTI shall be expelled into the breathing zone of the regulator.

The RIT Bag shall meet the following requirements:

- The RIT Bag shall have a high resolution fabric on the top.
- The RIT Bag shall have a 30 minute 5500 cylinder
- The RIT bag shall have a high pressure hose that will attach to the RIC/UAC on an SCBA and a hose with Rectus male and female fittings.
- The RIT bag shall include a female Hansen fitting on the low pressure manifold
- The RIT shall include a regulator
- The RIT Bag shall include a facepiece
- The RIT Bag shall include a pressure gauge and an alarm indicating 25% air left in the cylinder.

ADDITIONAL REQUIREMENTS

The successful bidder shall work with the Florissant Valley Fire District to ensure the equipment purchased, all supporting paperwork, and all documentation meets the requirements of the FEMA Assistance to Firefighter's Grant program. The proposal **MUST** include a statement, signed by the bidder, stating their agreement with this requirement.

All SCBA components will be NIOSH and NFPA approved to the current standard at **the time of the bid opening**. No exceptions. Options or accessories that are not approved at the time of the bid will be excluded from consideration.

The bidder shall be an authorized sales and service center for the product bid. Written documentation must be provided from the manufacturer as proof.

The successful bidder shall prepare the equipment for operation including but not limited to the installation of batteries, attachment of brackets, filling of cylinders, and programming of devices as necessary.

The successful bidder shall provide initial fit testing for **70** members of the fire department. The fit testing shall be done with an OHD (or Port-A-Count) machine and comply with quantitative fit testing protocol. A computer generated report must be provided to the department.

The successful bidder shall provide basic operations/orientation training classes to all members of the department. 3 Classes will be offered, one class per shift of in-person training. A description of how this training will be performed shall be included in the proposal.

The successful bidder shall provide a field level maintenance training class to the members of the department's SCBA Committee (5 members). An explanation of how this will be done shall be included in the proposal.

Before delivering the SCBA to the department, a function test shall be performed on the SCBA. This shall be a complete function test as required by CFR 29 1910.134, This is to insure the SCBA are in complete operating order when delivered. Upon delivery, a copy of the computer generated report shall be provided with each unit to verify the units are in optimum functioning condition. A sample copy of the report shall be included with each proposal.

The bid shall include certification documents that the units bid meet current NIOSH and NFPA standards. In order to be considered for purchase the equipment that the bidder is providing pricing for must have existing NIOSH and NFPA approvals and documentation of those approvals must accompany the bid documents or the bid for that equipment will be considered invalid.

Preference will be given to manufacturers whose SCBA meets the **federal** "Made in USA" standard. The bidder shall provide a statement from the manufacturer that the equipment being bid meets the "Made in USA" standard as defined by the federal government of the United States of America. Manufactures indicating that they comply with this standard but do not will be grounds for disqualification of the bid.

The bid shall contain a complete description of how warranty and/or service work will be accomplished to include:

- Photographs showing the bidder's SCBA repair capabilities
- dedicated SCBA repair vehicle
- Copies of service technician's certificates

The bid shall include all delivery and/or freight costs.

WARRANTY

The following must be included in the bid so that the department can quantify the operational costs of maintenance. This is due to mandatory compliance with CFR 29, 1910.134 by the department. Failure to accurately present this information in the bid will be grounds for immediate disqualification of the bid from the bidding process.

1. A copy of the warranty covering all of the products specified in the bid.
2. The warranty must cover the SCBA and components for as long as the original owner owns the equipment. This warranty includes the facepiece, harness, and cylinders. Facepiece accessories are under a separate warranty.

3. If periodic maintenance or overhauls are required or recommended at any time during the life of the SCBA, the estimated cost of that maintenance must be included in the bid proposal.
 - a. This would include the cost of the parts and the labor to complete the maintenance or overhaul for an individual SCBA.
 - b. If no maintenance or overhaul is required or recommended, a letter from the **MANUFACTURER (NOT THE LOCAL DEALER)** must be included in the proposal stating this.
4. Any consumables or soft goods not covered (or excluded from) in the warranty must be listed and the costs of those parts must be listed as well.
5. For any component parts manufactured by a 3rd party not covered by the warranty where the component manufacturer's warranty is passed through to the purchaser, a copy of that component manufacturer's warranty for that component must be included in the bid.
6. Specify the cost of the annual functional test per SCBA as required by NFPA 1852 and what components are included in that functional test. Confirm what additional equipment such as spare regulators, spare facepieces, and RIT Bags are required to be tested. If so, include the costs to functionally test those as well.

Failure to include any of this requested information is grounds to have bid disqualified.

Please provide pricing on the following equipment:

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| 33 | Self-Contained Breathing Apparatus complete with one facepiece, harness assembly, 5500psi/45-minute carbon cylinder, buddy breathing, capability, integrated PASS device, integrated firefighter locator transmitter, integrated air monitoring system, and integrated ladder/rescue belt |
| 33 | Additional 5500psi 45-minute carbon cylinders |
| 37 | Additional Facepieces |
| 4 | Rit-Paks with combination low pressure hose and high-pressure hose; regulator with quick connect; 5500psi, 30-minute carbon cylinder; facepiece |
| 33 | Multi-Use Strap for ladder operations |

Please provide Optional Pricing for the following equipment:

1. Optional price to perform the annual firefighter's facepiece fit test for 70 personnel for Five years after the initial fit test.
2. Optional price to perform an annual function test on the SCBA for Five (5) years after the initial function test.
3. Optional price for Pouch for Multi-Use Strap (quantity of 33)
4. Facepiece storage bags; fleece lined for all SCBA masks
5. Optional pricing for Identification Bands for each SCBA pack (quantity of 33)

Trade in Value

Please provide the trade-in value for the existing SCBA equipment. Contact Captain Brian McHugh with the Florissant Valley Fire Protection District (314)-599-7580 to get the necessary information to provide a trade-in value.

THIS FORM MUST BE COMPLETED FOR THE BID TO BE ACCEPTED. IF NOT COMPLETED, THE BID WILL BE CONSIDERED NON-RESPONSIVE AND NOT CONSIDERED.

MANUFACTURER: _____

TOTAL BID PRICE: _____

Bidder Name: _____

Person Submitting Bid: _____

Signature: _____

Bidder Address: _____

Telephone Number: _____