

**ESCAMBIA COUNTY FLORIDA
INVITATION TO BID
BIDDER'S CHECKLIST
HIGH PRESSURE BREATHING AIR COMPRESSOR WORKSTATION SYSTEM
SPECIFICATION PD 06-07.103**

HOW TO SUBMIT YOUR BID

PLEASE REVIEW THIS DOCUMENT CAREFULLY. OFFERS THAT ARE ACCEPTED BY THE COUNTY ARE BINDING CONTRACTS. **INCOMPLETE BIDS ARE NOT ACCEPTABLE.** ALL DOCUMENTS AND SUBMITTALS SHALL BE RECEIVED BY THE OFFICE OF PURCHASING ON OR BEFORE DATE AND HOUR FOR SPECIFIED FOR RECEIPT. LATE BIDS WILL BE RETURNED UNOPENED.

** Documents submitted with Bids are to be on the forms provided in the Invitation to Bid and photocopies of other required documents*

THE FOLLOWING DOCUMENTS SHALL BE RETURNED WITH BID:

- SOLICITATION, OFFER AND AWARD FORM (IN DUPLICATE WITH ORIGINAL SIGNATURE)
- BID FORMS (IN DUPLICATE WITH ORIGINAL SIGNATURE)

THE FOLLOWING DOCUMENTS SHOULD BE RETURNED WITH BID

- LETTER FROM INSURANCE CARRIER AS SPECIFIED IN THE "INSURANCE REQUIREMENTS"
- SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A), FLORIDA STATUTES, ON ENTITY CRIMES
- DRUG-FREE WORKPLACE FORM
- INFORMATION SHEET FOR TRANSACTIONS AND CONVEYANCES CORPORATE IDENTIFICATION
- CERTIFICATE OF AUTHORITY TO DO BUSINESS FROM THE STATE OF FLORIDA
OCCUPATIONAL LICENSE

BEFORE YOU SUBMIT YOUR BID, HAVE YOU:

PLACED YOUR BID WITH ALL REQUIRED SUBMITTAL ITEMS IN A SEALED ENVELOPE CLEARLY MARKED FOR SPECIFICATION NUMBER, PROJECT NAME, NAME OF BIDDER, AND DUE DATE AND TIME OF BID RECEIPT?

THE FOLLOWING SUBMITTALS ARE REQUIRED UPON NOTICE OF AWARD:

- CERTIFICATE OF INSURANCE

HOW TO SUBMIT A NO BID

IF YOU DO NOT WISH TO BID AT THIS TIME, PLEASE REMOVE THE BIDDER SOLICITATION, OFFER AND AWARD FORM FROM THE BID SOLICITATION PACKAGE AND ENTER NO BID IN THE "**REASON FOR NO BID**" BLOCK, YOUR COMPANY'S NAME, ADDRESS, SIGNATURE, AND RETURN THE BIDDER SOLICITATION, OFFER AND AWARD FORM IN A SEALED ENVELOPE. THIS WILL ENSURE YOUR COMPANY'S ACTIVE STATUS IN OUR BIDDER'S LIST.

**THIS FORM IS FOR YOUR CONVENIENCE TO ASSIST IN FILLING OUT YOUR
BID ONLY.
DO NOT RETURN WITH YOUR BID**

**ESCAMBIA COUNTY
FLORIDA**

INVITATION TO BIDDERS

**HIGH PRESSURE BREATHING AIR COMPRESSOR WORKSTATION SYSTEM
SPECIFICATION PD 06-07.103**

SPECIFICATION NUMBER PD 06-07.103

PRE-SOLICITATION CONFERENCE: 2:00 p.m., CDT, Wednesday, August 22, 2007
BIDS WILL BE RECEIVED UNTIL: 10:00 a.m., CDT, Friday, August 31, 2007

**Office of Purchasing, Room 11.101
213 Palafox Place, Pensacola, FL 32502
Matt Langley Bell III Building
Post Office Box 1591
Pensacola, FL 32597-1591**

Board of County Commissioners

Kevin W. White, Chairman
Marie Young, Vice Chairman
Grover Robinson IV
Gene Valentino
Mike Whitehead

**From:
Claudia Simmons
Chief, Purchasing**

Procurement Assistance:

Kathy Spencer
Purchasing Agent III
Office of Purchasing
213 Palafox Place
Pensacola, FL 32502
Tel: (850) 595-4983
Fax: (850) 595-4805

Technical Assistance:

Regie Burkett, Chief
Century Fire Station
10 Tedder Road
Pensacola, FL 32535
Tel: (850) 393-0603
Fax: (850) 256-0201

SPECIAL ACCOMMODATIONS:

Any person requiring special accommodations to attend or participate, pursuant to the Americans with Disabilities Act, should call the Office of Purchasing, (850) 595-4980 at least five (5) working days prior to the solicitation opening. If you are hearing or speech impaired, please contact the Office of Purchasing at (850) 595-4684 (TTY).

NOTICE

It is the specific legislative intent of the Board of County Commissioners that NO CONTRACT under this solicitation shall be formed between Escambia County and the awardee vendor until such time as the contract is executed by the last party to the transaction.

**HIGH PRESSURE BREATHING AIR COMPRESSOR WORKSTATION SYSTEM
SPECIFICATION PD 06-07.103**

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Forms marked with a (** Double Asterisk) should be returned with Offer.**

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SIGN AND RETURN THIS FORM WITH YOUR BIDS**

SOLICITATION, OFFER AND AWARD FORM ESCAMBIA COUNTY FLORIDA

SUBMIT OFFERS TO:

CLAUDIA SIMMONS

Chief, Purchasing

Office of Purchasing, 2nd Floor, Room 11.101
213 Palafox Place, Pensacola, FL 32502
Post Office Box 1591, Pensacola, FL 32597-1591
Phone No: (850)595-4980 Fax No: (850) 595-4805

INVITATION TO BID

**High Pressure Breathing Air Compressor
Compressor Workstation System
SOLICITATION #: PD 06-07.103**

SOLICITATION

MAILING DATE: Monday, August 13, 2007

PRE-BID CONFERENCE: 2:00 p.m., CDT, Wednesday, August 22, 2007 at Office of Purchasing, Matt Langley Bell III Building, 213 Palafox Place, 2nd Floor, Conference Room 11.407, Pensacola, FL 32502

OFFERS WILL BE RECEIVED UNTIL: 10:00 a.m., CDT, Friday, August 31, 2007 and may not be withdrawn within 90 days after such date and time.

POSTING OF SOLICITATION TABULATIONS

Solicitation tabulations with recommended awards will be posted for review by interested parties at the County Office of Purchasing and will remain posted for a period of two (2) business days. Failure to file a protest in writing within two (2) business days after posting of the solicitation tabulation shall constitute a waiver of any protest relating to this solicitation. All protests must be filed with the Office of Purchasing. They will be handled according to the Escambia County Purchasing Ordinance.

OFFER (SHALL BE COMPLETED BY OFFEROR)

FEDERAL EMPLOYER IDENTIFICATION NUMBER OR S.S. NUMBER:

TERMS OF PAYMENT:

DELIVERY DATE WILL BE _____ DAYS AFTER RECEIPT OF PURCHASE ORDER.

VENDOR NAME: _____

REASON FOR NO OFFER:

ADDRESS: _____

CITY, ST. & ZIP: _____

PHONE NO.: (____) _____

BID BOND ATTACHED \$ _____ NA _____

TOLL FREE NO.: (____) _____

FAX NO.: (____) _____

I certify that this offer is made without prior understanding, agreement, or connection, with any Corporation, firm or person submitting an offer for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this offer and certify that I am authorized to sign this offer for the offeror and that the offeror is in compliance with all requirements of the solicitation, including but not limited to certification requirements. In submitting an offer to Escambia County Florida, the offeror agrees that if the offer is accepted, the offeror will convey, sell, assign or transfer to Escambia County Florida all rights title and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by Escambia County Florida. At the County's discretion such assignment shall be made and become effective at the time the County tenders final payment to the offeror

NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER

(TYPED OR PRINTED)

**

SIGNATURE OF PERSON AUTHORIZED TO SIGN OFFER
(MANUAL)

****Failure to execute this Form binding the bidder/proposer's offer shall result in this bid/proposal being rejected as non-responsive.**

AWARD

Upon certification of award the contract shall be signed by the President or Vice-President. Any other officer shall have permission to sign via a resolution approved by the Board of Directors on behalf of the company. Awarded contractor shall submit a copy of the resolution together with the executed contract to the Office of Purchasing. The terms and conditions of this solicitation and the bid response of the awarded contractor is incorporated by reference herein and made a part of this contract.

CONTRACTOR

ESCAMBIA COUNTY FLORIDA

Name and Title of Signer (Type or Print)

Name and Title of Signer (Type or Print)

Name of Contractor

By _____

County Administrator

Date

By _____

Signature of Person Authorized to Sign

Date

WITNESS _____

Date

ATTEST: _____

Corporate Secretary

Date

WITNESS _____

Date

[CORPORATE SEAL]

ATTEST: _____

Witness

Date

Awarded Date _____

ATTEST: _____

Witness

Date

Effective Date _____

BID FORM
Specification Number PD 06-07.103
HIGH PRESSURE BREATHING AIR COMPRESSOR WORKSTATION SYSTEM

Board of County Commissioners
 Escambia County, Florida
 Pensacola, Florida 32502

Date: _____

Commissioners:

In accordance with your "Invitation for Bids" and "Instructions to Bidders" for High Pressure Breathing Air Compressor Workstation System as described and listed in this Invitation for Bids, and subject to all conditions thereof, I, undersigned, hereby propose to provide at the following price:

QUANTITY	DESCRIPTION	UNIT PRICE
Three	High Pressure Breathing Air Compressor Workstation System	\$ _____

Manuf. & Model: _____

Optional Accessories:

- | | |
|---|----------|
| 1. Remote Fill with bulkhead fitting, regulator, pressure gauge, line valve, and quick connect coupling | \$ _____ |
| 2. Dual pressure cylinder refill system on one position (2216/SCUBA) | \$ _____ |
| 3. HP hose (50ft) to attach to remote fill | \$ _____ |

Delivery Schedule: _____

Site Visit: _____ Yes _____ No

The following questions shall be completed by the bidder with the understanding that false or misleading information will be grounds for rejection of your bid.

	YES	NO
Has the bidder taken any exceptions to the specifications?		
Are all deviations from specifications explained as required by these specifications?		
Has the bidder complied with all specified warranties?		

CONTRACTOR REQUIREMENTS

Acknowledgment is hereby made of receipt of the following addenda issued during the bidding period:

Addendum No. _____ Date _____ Addendum No. _____ Date _____

Addendum No. _____ Date _____ Addendum No. _____ Date _____

Bid Form Continued.
PD 06-07.103
High Pressure Breathing Air Compressor Workstation System

(PLEASE TYPE INFORMATION BELOW)

SEAL IF BID IS BY CORPORATION

State of Florida Department of State Certificate of Authority

Document Number _____

Bidder: _____

Occupational License No. _____

By: _____

Signature: _____

Title: _____

Address: _____

Person to contact concerning this bid:

Phone/Toll Free/Fax # _____

E-Mail Address: _____

Home Page Address: _____

Terms of Payment

(Check one) Net 30 Days ___ 2% 10th Prox ___

Will your company accept Escambia County Purchasing
Cards? Yes ___ No ___.

Person to contact for emergency service:

Phone/Cell/Pager #: _____

Will your company accept Escambia County Direct
Payment Vouchers? Yes ___ No ___.

Person to contact for disaster service:

Home Address: _____

County Permits/Fees required for this project:

Home Phone/Cell/Pager #: _____

<u>Permit</u>	<u>Cost</u>
_____ None _____	

Names and addresses of proposed Subcontractors to be utilized for work on this project:

- 1.
- 2.
- 3.
- 4.

**SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a),
FLORIDA STATUTES, ON ENTITY CRIMES**

1. This sworn statement is submitted to _____
(print name of the public entity)
- by _____
(print individual's name and title)
- for _____
(print name of entity submitting sworn statement)

whose business address is

and (if applicable) its Federal Employer Identification Number (FEIN) is:

(If the entity has no FEIN, include the Social Security Number of the Individual signing this sworn statement: _____)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), **Florida Statutes**, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision or any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), **Florida Statutes**, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), **Florida Statutes**, means:
- a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

- c. I understand that a "person" as defined in Paragraph 287.133(1)(e), **Florida Statutes**, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
- d. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(indicate which statement applies.)**

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. **(attach a copy of the final order)**

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT HIS FORM IS VALID THOROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(signature)

Sworn to and subscribed before me this _____ day of _____, 19_____

Personally known _____

OR produced identification _____ Notary Public - State of _____

_____ My commission expires _____

(Type of identification)

(Printed typed or stamped commissioned name of notary public)

Drug-Free Workplace Form

The undersigned vendor, in accordance with Florida Statute 287.087 hereby certifies that _____ does:

Name of Business

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph 1.
4. In the statement specified in Paragraph 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Paragraphs 1 through 5.

Check one:

_____ As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.

_____ As the person authorized to sign this statement, this firm **does not** comply fully with the above requirements.

Offeror's Signature

Date

**Information Sheet
for Transactions and Conveyances
Corporation Identification**

The following information will be provided to the Escambia County Legal Department for incorporation in legal documents. It is, therefore, vital all information is accurate and complete. Please be certain all spelling, capitalization, etc. is exactly as registered with the state or federal government.

Is this a Florida Corporation (Please Circle One)
Yes or No

If not a Florida Corporation,
In what state was it created: _____
Name as spelled in that State: _____

What kind of corporation is it: "For Profit" or "Not for Profit"

Is it in good standing: Yes or No

**Authorized to transact business
in Florida:** Yes or No

State of Florida Department of State Certificate of Authority Document No.: _____

Does it use a registered fictitious name: Yes or No

Names of Officers:

President: _____ Secretary: _____
Vice President: _____ Treasurer: _____
Director: _____ Director: _____
Other: _____ Other: _____

Name of Corporation (As used in Florida):

(Spelled exactly as it is registered with the state or federal government)

Corporate Address:

Post Office Box: _____
City, State Zip: _____
Street Address: _____
City, State, Zip: _____

(Please provide post office box and street address for mail and/or express delivery; also for recorded instruments involving land)

(Please continue and complete page 2)

Federal Identification Number: _____
(For all instruments to be recorded, taxpayer's identification is needed)

Contact person for company: _____
Telephone Number: _____ Facsimile Number: _____

Name of individual who will sign the instrument on behalf of the company:

(Upon Certification of Award, Contract shall be signed by the President or Vice-President. Any other officer shall have permission to sign via a resolution approved by the Board of Directors on behalf of the company. Awarded contractor shall submit a copy of the resolution together with the executed contract to the Office of Purchasing)

(Spelled exactly as it would appear on the instrument)

Title of the individual named above who will sign on behalf of the company:

END

(850) 488-9000 Verified by: _____ Date: _____

ESCAMBIA COUNTY , FLORIDA GENERAL TERMS and CONDITIONS

The following General Terms and Conditions are incorporated by reference and have the same legal effect as if printed in its entirety.

A full textual copy of these conditions may be obtained by visiting the Office of Purchasing Home Page (see Bid Information), by telephoning the Office of Purchasing at (850) 595-4980 or by Fax at (850)595-4805.

NOTE: Any and all Special Terms and Conditions and specifications referenced within the solicitation which vary from these General Terms and Conditions shall have precedence. Submission of the Bidder/Proposal Solicitation, Offer and Award Form and Bid/Proposal Form(s) in accordance with these General Terms and Conditions and Special Terms and Conditions constitutes an offer from the offeror. If any or all parts of the offer are accepted by Escambia County Florida, an authorized representative of the county shall affix his signature hereto, and this shall then constitute a written agreement between parties. The conditions incorporated herein become a part of the written agreement between the parties.

Bid Information See Home Page URL: <http://www.co.escambia.fl.us/purchasing>
Click on **ON-LINE SOLICITATIONS**

1. **Sealed Solicitations**
2. **Execution of Solicitation**
3. **No Offer**
4. **Solicitation Opening**
5. **Prices, Terms and Payment**
 - 5.01 **Taxes**
 - 5.02 **Discounts**
 - 5.03 **Mistakes**
 - 5.04 **Condition and Packaging**
 - 5.05 **Safety Standards**
 - 5.06 **Invoicing and Payment**
 - 5.07 **Annual Appropriations**
6. **Additional Terms and Conditions**
7. **Manufacturers' Name and Approved Equivalents**
8. **Interpretations/Disputes**
9. **Conflict of Interest**
 - 9.01 **County Procedure on Acceptance of Gifts**
 - 9.02 **Contractors Required to Disclose any Gift Giving**
 - 9.03 **Gratuities**
10. **Awards**
11. **Nonconformance to Contract Conditions**
12. **Inspection, Acceptance and Title**
13. **Governmental Restrictions**
14. **Legal Requirements**
15. **Patents and Royalties**
16. **Price Adjustments**
17. **Cancellation**
18. **Abnormal Quantities**
19. **Advertising**
20. **Assignment**
21. **Liability**
22. **Facilities**
23. **Distribution of Certification of Contract**

ESCAMBIA COUNTY , FLORIDA GENERAL TERMS and CONDITIONS
The following General Terms and Conditions are incorporated by reference (continued).

24. **The Successful Bidder(s) must Provide**
25. **Addition/deletion of Items**
26. **Ordering Instructions**
27. **Public Records**
28. **Delivery**
29. **Samples**
30. **Additional Quantities**
31. **Service and Warranty**
32. **Default**
33. **Equal Employment Opportunity**
34. **Florida Preference**
35. **Contractor Personnel**
36. **Award**
37. **Uniform Commercial Code**
38. **Contractual Agreement**
39. **Payment Terms/Discounts**
40. **Improper Invoice; Resolution of Disputes**
41. **Public Entity Crimes**
42. **Suspended and Debarred Vendors**
43. **Drug-Free Workplace Form**
44. **Information Sheet for Transactions and Conveyances**
45. **Copies**
46. **License and Certifications** - For access to Certification/Registration Form for doing Business in Florida go to the Department of State, Division of Corporations,
URL:<http://ccfcorp.dos.state.fl.us/corpweb/inquiry/search.html>
47. **Execution of Contract**
48. **Purchase Order**
49. **No Contingent Fees**
50. **Solicitation Expenses**
51. **On-Line Auction Services**

SPECIAL TERMS AND CONDITIONS

The Board of County Commissioners, Escambia County, Florida, invites your company to submit a sealed offer on the item(s) as listed in this solicitation request.

All terms and conditions below are a part of this request, and no offer will be accepted unless all these conditions have been complied with. The County reserves the right to waive informalities in any offer; to reject any or all offers, in whole or in part, and/or to accept the offer(s) that in its judgment is from the lowest and most responsible and responsive offeror(s).

Instructions to Offerors

1. **General Information**

All offers to be considered shall be in the possession of the Office of Purchasing prior to the time of the solicitation closing. Offers may be mailed to 213 Palafox Place, Room 11.101, Pensacola, Florida 32502 or delivered to the Office of Purchasing, 2nd floor, Room 11.101, Matt Langley Bell, III Bldg., 213 Palafox Place, Pensacola, Florida 32502, in a sealed envelope clearly marked:

**Specification Number PD 06-07.103, "High Pressure Breathing Air Compressor Workstation System", Name of Submitting Firm, Time and Date due.
Note: If you are using a courier service; Federal Express, Airborne, UPS, etc., you must mark airbill and envelope or box with Specification Number and Project Name.**

Regardless of the method of delivery, each offeror shall be responsible for his offer(s) being delivered on time as the County assumes no responsibility for same. Offers offered or received after the time set for solicitation closing will be rejected and returned unopened to the offeror(s).

Escambia County is seeking a responsive and responsible vendor to provide a High Pressure Breathing Air Compressor Workstation System for use by Fire Services in accordance with the attached specifications.

2. **Procurement Questions**

Procurement questions may be directed to Kathy Spencer, Purchasing Agent III, 850-595-4983, 850-595-4805, Fax. Technical questions may be directed to Regie Burkett, Chief Century Fire Dept., Telephone: 850-393-0603; Fax: 850-256-0201.

3. **Bid Forms**

This Solicitation contains a Solicitation, Offer and Award Form and Bid Form, which shall be submitted in a sealed envelope, in duplicate with Original signatures in indelible ink signed in the proper spaces. Responses on vendor forms will not be accepted.

The Offerors Checklist included in this solicitation provides instructions to the offeror on the documentation to be submitted during the procurement process.

4. **Pre-Solicitation Conference**

A Pre-Solicitation Conference will be held at the Matt Langley Bell Bldg, 213 Palafox Place, 2nd Floor in Conference Room #11.407 on Wednesday, August 22, 2007, at 2:00 p.m. CDT.

5. **F.O.B. Point**

The F.O.B. point shall be **installed** at the location(s) specified herein.

6. **Compliance with Occupational Safety and Health**

Offeror certifies that all material, equipment, etc., contained in his offer meets all Occupational Safety and Health Administration (OSHA) requirements.

Offeror further certifies that, if he is the awarded vendor, and the material, equipment, etc., delivered is subsequently found to be deficient in any OSHA requirement in effect on date of delivery, all costs necessary to bring the material, equipment, etc., into compliance with the aforementioned requirements shall be borne by the vendor.

In compliance with Chapter 442, Florida Statutes, any item delivered under a contract resulting from this solicitation shall be accompanied by a Material Safety Data Sheet (MSDS) The MSDS shall include the following information.

- A. The chemical name and the common name of the toxic substance.
- B. The hazards or other risks in the use of the toxic substance, including:
 - 1. The potential for fire, explosion, corrosiveness and reactivity;
 - 2. The known acute and chronic health effects of risks from exposure, including the medical conditions which are generally recognized as being aggravated by the exposure to the toxic substance; and
 - 3. The primary route of entry and symptoms of over exposure.
- C. The proper precautions, handling practices, necessary personal protective equipment and other safety precautions in the use of or exposure to the toxic substances, including appropriate emergency treatment in case of over exposure.
- D. The emergency procedure for spills, fire, disposal and first aid.
- E. A description in lay terms of the known specified potential health risks posed by the toxic substance intended to alert any person reading this information.
- F. The year and month, if available, that the information was compiled and the name, address and emergency telephone number of the manufacturer responsible for preparing the information.

7. **Safety Regulations**

Equipment shall meet all state and federal safety regulations for grounding of electrical equipment.

8. **Codes and Regulations**

The awarded vendor shall strictly comply with all federal, state and local safety codes.

9. **Payment**

Partial payments in the full amount for the value of items received and accepted may be requested by the submission of a properly executed **original** invoice, with supporting documents if required. Payment for accepted equipment/supplies/services will be accomplished by submission of an **original** invoice, in duplicate, to:

Clerk of the Circuit Court
Attention: Accounts Payable
221 Palafox Place
Pensacola, FL 32502

10. **Information and Descriptive Literature**

Offerors shall furnish all information requested and in the space provided on the bid/proposal form, if any. Furthermore, each offeror offering an alternate other than the brand(s) specified shall submit with his offer, descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous offer will not satisfy this provision. Offers which do not comply with these requirements shall be subject to rejection.

11. **Samples/Demonstrations**

Samples of any product or demonstrations shall be furnished upon request for a quality test or comparison without cost to the County. **All samples shall be identified by vendor name and solicitation number.**

12. **Equipment/Service**

The scope of these specifications is to insure the delivery of a complete unit ready for operation. Omission of any essential detail from these specifications does not relieve the awarded vendor from furnishing a complete unit.

All equipment shall be new, of current manufacturer in production at the time of solicitation opening and carry standard warranties. The awarded vendor shall service all equipment prior to delivery.

Offers will be considered only on equipment which can, on short notice, be serviced and maintained by the successful offeror. At the time of solicitation opening, the offeror shall be an authorized dealer, distributor, and/or representative of the manufacturer for the brand/model being offered. For the purposes of this solicitation, dealer, distributor, and/or representative means a firm or person that owns, operates, or maintains a store, warehouse, or other establishment in which materials, supplies, parts, articles, or equipment of the general character described in the specifications are bought, kept in stock and sold commercially or to the public in the usual course of business. The offeror shall maintain a normal supply of repair parts and be equipped with personnel and facilities to provide such service as necessary to keep the equipment in operation with a minimum delay. Failure to meet these requirements, in the County's sole opinion, may be cause for rejection.

Offeror shall indicate the nearest available location for replacement parts, how long parts will be available on the market and the number of days to receive parts after receipt of order. The space for this information is included on the bid/proposal form.

13. **Protection of Property/Security**

The awarded vendor shall take all necessary precautions to protect buildings and personnel. All work shall be completed in every respect and accomplished in a professional manner and awarded vendor shall provide for removal of all debris from county property.

The awarded vendor shall at all times guard against damage or loss to property of Escambia County, or of other vendors or contractors, and shall be held responsible for replacing or repairing any such loss or damage.

The County may withhold payment or make such deductions as deemed necessary to insure reimbursement or replacement for loss or damage to property through negligence of the awarded offeror or his agent.

The awarded vendor shall at all times guard against injury to Escambia County employees. The vendor shall properly fence and secure the construction site(s) at all times, including evenings and weekends.

The awarded vendor must, at all times, comply with State of Florida and Occupational Safety and Health Administration (OSHA) safety regulations.

14. **Compliance with Governing Laws and Regulations**

The offeror or contractor will be required to fully comply with all applicable federal, state, and local regulations.

Contract Information

NOTICE

It is the specific legislative intent of the Board of County Commissioners that NO CONTRACT under this solicitation shall be formed between Escambia County and the awardee vendor until such time as the contract is executed by the last party to the transaction.

15. **Inspection of Facilities**

It is the offeror's responsibility to become fully informed as to where items are to be installed and/or the nature and extent of the work required and its relation to any other work in the area, including possible interference from other site activities. Arrangements for offeror's inspection of facilities and/or activity schedules may be secured from John Sims, phone (850) 475-5530. Failure to visually inspect the facilities may be cause for disqualification of your offer.

16. **Contract Term**

The contract resulting from this solicitation shall commence effective upon execution by both parties and extend for a period of six (6) months.

17. **Pricing**

All items sold to the county as a result of this award are subject to post sale audit adjustment. In the event an audit indicates offeror has not honored quoted price lists and discounts, offeror will be liable for any and all overage charges.

18. **Purchasing Agreements with other Government Agencies**

The submission of any offer in response to this Solicitation constitutes an offer made under the same terms and conditions, for the same contract price, to other governmental agencies within the offeror's area of responsibility, territory, zone, region, etc., unless otherwise stipulated by the offeror on the bid/proposal form.

Each governmental agency desiring to accept these offers, and make an award thereof, shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials ordered and received by it, and no agency assumes any liability by virtue of this offer.

19. **Termination**

- A. The contract may be canceled by the contractor, for good cause, upon ninety (90) days prior written notice.
- B. The County retains the right to terminate the contract, with or without good cause, upon thirty (30) days prior written notice.
- C. In the event of termination by either party as provided herein, the awarded vendor shall be paid for services performed through the date of termination.

20. **Licenses, Certifications, Registrations**

The offeror shall at any time of bid/proposal submission meet the license, certification, registration and any other requirements of the State, County, City and/or any other agency of authority with jurisdiction in such matters as necessary to perform the contractual services requested in this solicitation.

Copies of such licenses, certifications, registrations and any other requirements should be provided with the bid/proposal submission; and, the offeror shall provide follow-up evidence that as the contractor they maintain such credentials throughout the period of agreement.

21. **Term of Offer**

An offer shall constitute an irrevocable offer for a period of ninety (90) days from the solicitation opening date or until the date of award, whichever is earlier, without forfeiting bid bond or check. In the event that an award is not made by the county within ninety (90) days from the solicitation opening date, the offeror may withdraw his offer or provide a written extension of his offer.

22. **Award**

Award shall be made on an "all-or-none total" basis.

23. **Termination**

The purchase order or contract will be subject to immediate termination if either product or service does not comply with specifications as stated herein or fails to meet the county's performance standards. In the event that any of the provisions of the contract are violated by awarded vendor, Escambia County may serve written notice upon the awarded vendor of its intention to terminate the contract. Such notice is to state the reason(s) for such intention to terminate contract. The liability of the vendor for any and all such violation(s) shall not be affected by any such termination and his surety, if any, shall be forfeited.

24. **Termination (Public Records Request)**

If the contractor refuses to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the contractor in conjunction with this agreement then the county may, without prejudice to any right or remedy and after giving the contractor and his surety, if any, seven (7) days written notice,

during which period contractor still fails to allow access, terminate the employment of the contractor and take possession of the site and of all materials, equipment, tools, construction equipment and machinery thereon, owned by the contractor, and may finish the project by whatever method it may deem expedient. In such case, the contractor shall not be entitled to receive any further payment until the project is finished. Reasonable terminal expenses incurred by the county may be deducted from any payments left owing the contractor (excluding monies owed the contractor for subcontract work.)

25. **As Specified**

All items delivered shall meet the specifications herein. Items delivered not as specified will be returned at no expense by Escambia County. The County may return, for full credit, any unused items received which fail to meet the County's performance standards.

26. **Additional Quantity**

Escambia County reserves the right to increase or decrease estimated quantities as required. Estimated quantities are shown on the bid form.

It is understood by all offeror's that these are only estimated quantities and the county is not obligated to purchase any minimum or maximum amount during the life of this contract.

County Insurance Required

The contractor shall procure and maintain the following described insurance, except for coverages specifically waived by the County. Such policies shall be from insurers with a minimum financial size of VII according to the latest edition of the AM Best Rating Guide. An A or better Best Rating is "preferred"; however, other ratings if "Secure Best Ratings" may be considered. Such policies shall provide coverages for any or all claims which may arise out of, or result from, the services, work and operations carried out pursuant to and under the requirements of the contract documents, whether such services, work and operations be by the contractor, its employees, or by subcontractor(s), or anyone employed by or under the supervision of any of them, or for whose acts any of them may be legally liable.

The contractor shall require, and shall be responsible for assuring throughout the time the agreement is in effect, that any and all of its subcontractors obtain and maintain until the completion of that subcontractor's work, such of the insurance coverages described herein as are required by law to be provided on behalf of their employees and others.

The required insurance shall be obtained and written for not less than the limits of liability specified hereinafter, or as required by law, whichever is greater.

These insurance requirements shall not limit the liability of the contractor.

The County does not represent these types or amounts of insurance to be sufficient or adequate to protect the contractor's interests or liabilities, but are merely minimums.

Except for workers compensation and professional liability, the contractor's insurance

policies shall be endorsed to name Escambia County as an additional insured to the extent of its interests arising from this agreement, contract or lease.

The contractor waives its right of recovery against the County, to the extent permitted by its insurance policies.

The contractor's deductibles/self-insured retentions shall be disclosed to the County and may be disapproved by the County. They shall be reduced or eliminated at the option of the County. The contractor is responsible for the amount of any deductible or self-insured retention.

Insurance required of the contractor or any other insurance of the contractor shall be considered primary, and insurance of the county, if any, shall be considered excess, as may be applicable to claims obligations which arise out of this agreement, contract or lease.

Workers Compensation Coverage

The contractor shall purchase and maintain workers compensation insurance for all workers compensation obligations imposed by state law and with employers liability limits of at least \$100,000 each accident and \$100,000 each employee/\$500,000 policy limit for disease, or a valid certificate of exemption issued by the state of Florida, or an affidavit in accordance with the provisions of Florida Workers Compensation law.

Contractor shall also purchase any other coverages required by law for the benefit of employees.

General, Automobile and Excess or Umbrella Liability Coverage

The contractor shall purchase and maintain coverage on forms no more restrictive than the latest editions of the commercial general liability and business auto policies of the insurance services office.

Minimum limits of \$1,000,000 per occurrence for all liability must be provided, with excess or umbrella insurance making up the difference, if any, between the policy limits of underlying policies (including employers liability required in the workers compensation coverage section) and the total amount of coverage required.

General Liability Coverage - Occurrence Form Required

Coverage A shall include bodily injury and property damage liability for premises, operations, products and completed operations, independent contractors, contractual liability covering this agreement, contract or lease, broad form property damage coverages, and property damage resulting from explosion, collapse or underground (x,c,u) exposures.

Coverage B shall include personal injury.

Coverage C, medical payments, is not required.

The contractor is required to continue to purchase products and completed operations coverage, at least to satisfy this agreement, contract or lease, for a minimum of three years beyond the County's acceptance of renovation or construction projects.

Business Auto Liability Coverage

Business auto liability coverage is to include bodily injury and property damage arising out of ownership, maintenance or use of any auto, including owned, nonowned and hired automobiles and employee nonownership use.

Excess or Umbrella Liability Coverage

Umbrella liability insurance is preferred, but an excess liability equivalent may be allowed. Whichever type of coverage is provided, it shall not be more restrictive than the underlying insurance policy coverages. Umbrella coverage shall drop down to provide coverage where the underlying limits are exhausted.

Evidence/Certificates of Insurance

Required insurance shall be documented in certificates of insurance. If and when required by the County, certificates of insurance shall be accompanied by documentation that is acceptable to the County establishing that the insurance agent and/or agency issuing the certificate of insurance has been duly authorized, in writing, to do so by and on behalf of each insurance company underwriting the insurance coverage(s) indicated on each certificate of insurance.

New certificates of insurance are to be provided to the County at least 30 days prior to coverage renewals. Failure of the contractor to provide the County with such renewal certificates may be considered justification for the County to terminate this agreement, contract or lease.

Certificates should contain the following additional information:

1. Indicate that Escambia County is an additional insured on the general liability policy.
2. Include a reference to the project and the Office of Purchasing number.
3. Disclose any self-insured retentions in excess of \$1,000.
4. Designate Escambia County as the certificate holder as follows:
Escambia County
Attention: Kathy Spencer
Office of Purchasing, Room 11.101
P.O. Box 1591
Pensacola, FL 32597-1591
Fax (850) 595-4805
5. Indicate that the County shall be notified at least 30 days in advance of cancellation.

Receipt of certificates or other documentation of insurance or policies or copies of policies by the county, or by any of its representatives, which indicate less coverage than required does not constitute a waiver of the contractor's obligation to fulfill the insurance requirements herein.

If requested by the County, the contractor shall furnish complete copies of the contractor's insurance policies, forms and endorsements, and/or such additional information with respect to its insurance as may be requested.

For commercial general liability coverage the contractor shall, at the option of the County, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage.

Indemnification

Contractor agrees to save harmless, indemnify, and defend County and Architect/Engineer and their, agents, officers and employees from any and all claims, losses, penalties, interest, demands, judgments, and costs of suit, including attorneys' fees and paralegals' fees, for any expense, damage or liability incurred by any of them, whether for personal injury, death, property damage, direct or consequential damages, or economic loss, including environmental impairment, arising directly or indirectly on account of or in connection with the Work done by Contractor under this Agreement or by any person, firm or corporation to whom any portion of the Work is subcontracted by Contractor or resulting from the use by Contractor, or by any one for whom Contractor is legally liable, of any materials, tools, machinery or other property of County. County and Contractor agree the first \$100.00 of the Contract Amount paid by County to Contractor shall be given as separate consideration for this indemnification, and any other indemnification of County by Contractor provided for within the Contract Documents, the sufficiency of such separate consideration being acknowledged by Contractor by Contractor's acceptance and execution of the Agreement. The Contractor's obligation shall not be limited by, or in any way to, any insurance coverage or by any provision in or exclusion or omission from any policy of insurance. The Contractor agrees to pay on behalf of Escambia County, as well as provide a legal defense for the County, both of which will be done only if and when requested by the County, for all claims made. Such payment on the behalf of the County shall be in addition to any and all other legal remedies available to the County and shall not be considered to be the County's exclusive remedy.

SPECIFICATIONS

General Instructions

The breathing air station and equipment to be furnished in meeting these specifications must be the product of an established, reputable distributor of the manufacturer.

Each bidder shall furnish satisfactory evidence of the manufacturer's ability to construct, supply service parts and technical assistance for the compressor specified. Bidder must provide set-up, training, and service or must state the location of a reputable service center. Bidder must submit a list of equivalent type breathing air station of the specified design sold and in service by the manufacturer in Florida or Alabama.

It is the intention of Fire Services to purchase a complete high pressure 6000 PSIG breathing air station designed to efficiently and safely fill self contained breathing apparatus (SCBA). The system shall be complete, including the compressor system, electric motor, purification system, DOT air storage system, containment fill station, and controls. All components shall be new and of current manufacturing design. Used, surplus, and discontinued equipment are unacceptable.

The intent of the specifications is to describe the minimum quality acceptable. Any brand name and/or model number mentioned is intended to be descriptive and not restrictive to any bidder. Bidder must state the brand of any item provided which is a substitute for the brand or model specified for evaluation by the buyer. The buyer reserves the right to require a bidder to provide proof in each case that a substituted item is equal to that specified. The buyer shall be the sole judge in determination of acceptable substitutes.

It is not the intent of these specifications to eliminate any qualified bidder. **Exceptions will be allowed if they are equal to or superior to that specified and provided they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"**. The buyer cannot determine the acceptability of an exception without detailed information supporting the equivalence of the item proposed. The exception list shall refer to specification page number and paragraph heading. **If there are no exceptions to the specifications listed, then it shall be assumed that the buyer will find no deviations between the advertised specifications and the bid submitted.**

Fire Services reserves the right to reject any bid that does not meet the minimum requirements of these written specifications. Fire Services will inspect the delivered equipment received from the successful bidder to ensure that it meets the specifications. Any equipment that does not meet the bid specifications must be brought up to those established standards at the vendor's expense.

Codes & Standards

Air purity shall meet or exceed the standards of the Compressed Gas Association specification G-7.1 for grade "E" breathing air and the standards of NFPA 1500.

The entire system shall meet all requirements established by the Occupational Safety and Health Act, otherwise known as OSHA. Purification systems shall be constructed with section VII of the ASME code for unfired pressure vessels.

The compressor system manufacturer shall have an ISO 9000 quality management system standard approval on the design and/or manufacture process.

Identification

All major components and accessories are to be clearly identified with permanent affixed nameplates stating the make, model and serial number. Other pertinent information such as capacities, pressure, voltages, currents, etc., is to be indicated in the proper manner.

Documentation

A documentation package shall be supplied with the station. The documentation package shall include, at a minimum, two operation manuals on CD, recommended spare parts list, warranty information and a start-up/warranty registration form.

The Operator's Instruction and Maintenance Manual for the breathing air station shall be as detailed as possible, outlining all operation and maintenance instructions. The manual shall include detailed illustrated drawings for the compressor block and all system components along with a complete parts listing for all illustrated components. Warnings and safety precautions shall be identified clearly in the manual.

Testing & Warranty

All equipment shall be factory assembled, thoroughly tested. The station shall be warranted free from defects in material and workmanship for period of eighteen months from date of shipment or twelve months from date of start-up, whichever expires first. The warranty shall not impose limitations on the station's accumulated operating hours during the warranty period.

Installation, Start-up, & Training

Connection of the power source to the breathing air station shall be the responsibility of the fire department. If ventilation to outside is necessary, it will have to meet manufacturer's installation specifications and materials will be the responsibility of the fire department. Installation of the breathing air system shall be the responsibility of the vendor. Start-up and assurance that the breathing air station is operating at peak performance shall be responsibility of the vendor. This shall include an air test analysis performed by an NFPA accredited laboratory. Connection of the power source to the breathing station must be properly completed before start-up and training can be performed. Training shall take place immediately after the start-up procedure has been successfully completed. Training shall also include a review of the operation, maintenance and parts manual that is supplied with the system.

Authorized Service Center

The vendor shall be or provide with this bid the name and address of the nearest factory authorized service center. The service center must be factory authorized to perform warranty work, preventative maintenance, and on-going service. Sales offices without factory trained service personnel shall not be considered acceptable. The fire department reserves the right to ask for an authorized document verifying that service personnel have been factory trained.

General Notes

The breathing air station shall be supplied on a steel base frame of welded construction. The frame shall be designed for both the static and dynamic loads of the system and of sufficient size to adequately accommodate all of the station's components. The Mini Unicis base frame shall include four brackets to facilitate securing the leveled unit to a concrete floor using expansion anchors. The compressor, purification system, fill station and all tubing shall be incorporated into an appliance-like enclosure complete with sound attenuation. The enclosure panels shall be equipped with a slam-action latches and lift-off hinges making it simple to facilitate inspection and maintenance. The enclosure and base frame shall be finished with a baked on polyester powder coat paint for the ultimate in durability, corrosion resistance, and long life.

The station shall be designed for against-the-wall installation, operation, maintenance and single-point operator control from the front of the station. The design of the station shall permit unrestricted cooling air flow to the compressor and motor when installed against a wall. All system instrumentation, controls and access to the containment fill station shall be located at the front of the station. The compressor package shall

fit through a standard 36" doorway. The station shall be designed for operation indoors with room temperatures ranging between 40°F and 115°F¹. Installation shall not require a special foundation; however, it is the responsibility of the purchaser to ensure the installation site has a solid and level foundation that can support the weight of the station, the availability of a qualified source of air for the intake of the compressor and adequate ventilation.

All piping and tubing shall be properly supported and protected to prevent damage from vibration during shipment, operation, or maintenance. Piping and tubing shall be installed in a neat and orderly arrangement, adapting to the contours of the station. All instrument tubing shall be 300 series stainless steel.

The station shall be warranted free from defects in material and workmanship for a period of eighteen months from date of shipment or twelve months from date of start-up, whichever expires first. The warranty shall not impose limitations on the station's accumulated operating hours during the warranty period.

Compressor

The compressor(10 HP, 13 scfm) shall be an air-cooled, oil lubricated, four stage, three cylinder, reciprocating compressor. The crankcase shall be cast of a high strength, aluminum alloy. The crankshaft shall be of a single piece forged steel construction, and supported in the crankcase by three long-life roller bearings. The connecting rods shall be of single piece design and constructed of a high strength aluminum alloy. Each connecting rod shall incorporate a roller bearing at the crank end and needle bearing at the pin end. The pistons shall be constructed of an aluminum alloy. Piston rings on the second and third stage are of cast iron; first and fourth stage rings shall be of a high strength polyimide. The final stage shall incorporate a ringed, free-floating, aluminum piston, which is driven by a guide piston and the previous stage's discharge pressure. The cylinders shall be of cast iron construction with deep cooling fins on the external surface for optimum heat dissipation. The cylinders shall be arranged in a "W" configuration with the first and second stage sharing one common stepped cylinder. Each cylinder shall be located directly in the cooling fan's blast. The cylinders shall be removable from the crankcase. The compressor's flywheel shall be of cast iron construction. A multi-wing, high velocity cooling fan shall be integral to the flywheel.

An intercooler shall be provided after each stage of compression and an aftercooler shall be provided after the final stage of compression. The coolers shall be individually detachable from the compressor, located directly in the cooling fan's blast and made of a stainless steel. The aftercooler shall be designed to cool the discharge air to within 18°F of ambient temperature. A cool-down cycle shall not be required prior to stopping the compressor.

A separator shall be supplied after the second and third stages of compression, and a coalescing separator shall be supplied at the discharge of the compressor. An automatic condensate drain (A.C.D.) system shall be supplied for all of the separators. The drain solenoid shall be controlled by the PLC and shall be factory preset to drain the separators approximately every fifteen minutes for approximately six seconds. The A.C.D. system shall unload the compressor on shutdown for unloaded restart. An exhaust muffler and condensate reservoir shall be supplied. The condensate reservoir shall be manufactured of a non-corrosive polyimide and shall be equipped with a high liquid level indication system to provide system shutdown and to alert the operator that the condensate reservoir is at capacity. The operator shall be alerted that the reservoir is at capacity via a scrolling text display message on the panel mounted operator / compressor interface. Manually operated valves shall be supplied to override the automatic operation of the A.C.D. system for test and maintenance purposes.

The compressor shall be lubricated by a combination splash and low pressure lubrication system. The final stage of compression shall be lubricated by a pressurized lubrication circuit. The other stages and the driving

¹ Please consult the Bauer factory for applications outside of this temperature range.

gear shall be splash lubricated. The low-pressure lubrication circuit shall include a positive displacement oil pump, gear driven by the crankshaft, a non-adjustable oil pressure regulator, and a full-flow oil filter with replaceable element. Two highly visible sight glasses shall be included, one on each of the crankcase to check the oil level. The oil drain hose shall be of sufficient length to reach the outside of the compressor cabinet.

The final stage and oil pressure gauges shall be mounted on the instrument panel.

The compressor shall be equipped with an inlet filter with a replaceable particulate element.

Prime Mover and V-Belt Drive

The single or three phase electric motor shall be of the open drip-proof (ODP) design. The motor voltage and frequency shall be specified by the purchaser. The compressor and motor shall be mounted on a common base that is vibration isolated from the station's main frame. The compressor and motor shall be arranged in a vertical design. Power from the motor shall be transmitted to the compressor by a v-belt drive. The v-belt drive shall be designed to tension the drive belts automatically. Rotation arrows shall be affixed in a conspicuous place on the compressor.

Electrical Control

The motor control center (MCC) shall include an across-the-line magnetic motor starter, fused transformer and PLC controller. Additionally, for enhanced operation and systems monitoring, the package shall be equipped with a Touch Pad Control (TPC). The electrical panel installed in the MCC shall be built in compliance to UL's Industrial Control Panel Custom Builders Program and shall be affixed with a U.L. label.

The PLC compressor control system consists of a programmable logic controller for the monitoring, protection and control of standard compressor systems.

Standard features of the MCC include:

- A NEMA type 4 electrical enclosure
- Emergency stop button
- Operations panel mounted TPC Four-Line text display
 - o The display shall be capable of changing color to express system modes: Green for normal operations; Orange for cautionary operations; Red for system shutdown
- Electrical Panel with UL approval markings

Systems containing fewer amenities shall not be deemed acceptable.

Standard features controlled and monitored by the TPC include:

- Compressor on / off
- Compressor final pressure
- Compressor oil pressure
- Compressor temperature
- Automatic condensate drain system
- Full support of SECURUS warning and alarm functions
- Built in overtime timer set at 5 hours - optional times available
- Condensate reservoir full alarm
- Motor overload alarm
- Final separator counter warning and alarm functions

- Nonresettable hourmeter

Systems containing fewer amenities shall not be deemed acceptable.

A non-resettable hour-meter shall be supplied to record the number of compressor operating hours. The hour-meter shall be installed in the electrical enclosure.

The compressor oil pressure shall be monitored by a pressure switch and pressure gauge installed in the instrument panel. The compressor shall shut down and the operator shall be alerted via scrolling text display message or text display color change on the panel mounted operator / compressor interface should the compressor's oil pressure drop below the factory preset value during operation. The oil pressure switch shall be by-passed during start-up to permit the oil pump to achieve the normal operating pressure.

A temperature switch shall be supplied on the cylinder head of the final stage of compression. The compressor shall shutdown and the operator shall be alerted via scrolling text display message on the panel mounted operator / compressor interface should the final stage discharge temperature exceed the tamper-proof set point during operation.

To simplify system diagnosis, maintenance and service, the oil pressure and air pressure shutdown switches shall be equipped with DIN type connectors. Additionally, all of the wiring shall be encapsulated within a split corrugated type loom, installed into a 37 pin circular connector. Each wire in the 37-wire harness is color coded for ease of identification.

Fault shut downs shall not affect the ability to fill SCBA cylinders from the storage system as long as there is sufficient pressure in the storage to fill them.

Purification System

The purification system shall purify high pressure air to a quality that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for breathing air. Purification shall be achieved by mechanical separation of condensed oil and water droplets, adsorption of vaporous water by a desiccant, adsorption of oil vapor and elimination of noxious odors by activated carbon and conversion of carbon monoxide to respirable levels of carbon dioxide by catalyst.

The high pressure purification chamber shall have a working pressure of 6000 PSIG. The purification system shall utilize a replaceable cartridge. The purification system shall be designed so that the replacement of the cartridge can be accomplished without disconnecting system piping. The design of the chamber shall preclude the possibility of operating the system without the cartridge installed or with an improperly installed cartridge. A bleed valve shall be provided to vent the purification system to facilitate replacing the cartridge. A pressure maintaining valve and a check valve shall be supplied downstream of the purification system to increase the efficiency of the purification system by maintaining a positive back pressure. A check valve shall be supplied between the coalescing separator on the compressor's discharge line and the purification system to maintain the positive pressure in the purification system when the compressor shuts down.

The purification system shall include Bauer's patented Securus Electronic Moisture Monitor System². A sensor shall be located in the Securus purifier cartridge for direct monitoring of moisture levels. The Securus system shall warn the operator, in advance, of the impending expiration of the Securus cartridge via a scrolling text display message on the panel mounted operator / compressor interface. The compressor shall shut down automatically and the operator notified via scrolling text display message on the panel mounted operator / compressor interface should the operator fail to change the Securus cartridge within the warning period. The compressor shall not be capable of restarting until the used cartridge is replaced with a new one.

2 U. S. Patent Number 4,828,589

The moisture monitoring system shall be of a fail-safe design. Should the electrical contact between the display module and sensor be disconnected, an immediate fault shut down shall be effected. For absolute safety and highest quality breathing air, no manual override shall be supplied for the moisture monitor.

Fill Control / Instrument Panel

A steel instrument panel affixed with a non-glare Lexan overlay shall be installed on the front of the station. The overlay shall contain an embedded airflow schematic. The instrument panel shall include, a compressor oil pressure gauge, a final air pressure gauge, a storage pressure gauge, an LCD Operator / Compressor Interface, and an emergency stop switch. The instrument panel shall be located and arranged for visibility and easy access by the operator and for accessibility for inspection and maintenance. All components installed in the instrument panel shall be securely supported to eliminate vibration and undue force on instrument piping and to prevent damage during shipment, storage, operation, and maintenance. The fill control / instrument panel shall be hinged for easy maintenance and accessibility.

The air management control panel shall be factory piped as a Priority Refill System. This system shall simplify the operations panel by eliminating cascade control valves and gauges. The Priority Refill System shall be supplied with a series of pneumatic valves that will direct the air flow directly from the compressor to the SCBA or air storage cylinder. When the storage system pressure drops to the current level of the compressor output, flow from the storage system stops and the compressor alone finishes filling the SCBA bottles. A bypass valve shall be panel mounted allowing the system operator to manually select whether the compressor output shall be directed to the Priority Refill System or directly to the SCBA cylinders, thus giving the operator maximum control of the fill process. Systems without a bypass valve shall not be deemed acceptable as they do not give the operator the flexibility of selecting the air source.

The control panel shall include, at a minimum, an adjustable regulator for SCBA cylinder fill pressure complete with a pressure gauge for inlet and regulated pressure and a relief valve to protect the SCBA cylinders from overfilling, a manual control valve and pressure gauge for each fill position, the manual bypass direction valve to allow the operator to select SCBA filling from either the Priority Refill System or the compressor, provisions for factory or field modification to allow a different fill pressure at each fill position.

All control panel mounted pressure gauges shall have a 2 ½" diameter and be liquid filled.

Air Storage System

The air storage rack shall be in a vertical configuration that is an integral part of the breathing air systems frame. The rack shall be designed and equipped with two (2) 6000 psi rated DOT air storage receivers. Each receiver shall be built to accommodate 509 cubic feet of air at maximum pressure. Additionally, each receiver shall include a service valve and burst disc. The rack shall be designed to support the receivers in a secure manner and permit visual inspection of the receivers' external surface.

Containment Fill Station

The front-loading, two position; containment fill station shall totally enclose the SCBA or SCUBA3 cylinders during the refilling process.

The fill station's outer enclosure and door assemblies shall be constructed of formed ¼ inch thick plate steel. Venting shall be provided in the bottom of the fill station to allow the rapidly expanding air from a ruptured cylinder to escape from the fill station. The fill station shall be ergonomically designed for maximum operator convenience and safety for refilling cylinders. The fill station door and cylinder holder assembly shall tilt out towards the operator 45 degrees, providing unobstructed access to the cylinder holder to load and

3 SCUBAs up to 31" maximum overall length including valve, boot and fill yoke.

unload the cylinders. A heavy-duty gas spring shall be incorporated into the design of the fill station to assist the operator in opening and closing the fill station door. It shall take no more than approximately eighteen pounds of force to open or close the fill station door thereby eliminating operator fatigue.

Each cylinder holder shall be lined to prevent scuffing the outer surface of the SCBA cylinders. For complete operator protection, the fill station shall include a safety interlock system that will prevent refilling SCBA cylinders unless the fill station door is closed and secured in the locked position. The automatic interlock will require no actuation of secondary latching mechanism on the outside of the fill station.

Two fill hoses shall be located within the fill station. Each fill hose shall be equipped with a bleed valve and SCBA fill adapter of choice. Fill hose retainers shall be provided to anchor the fill hoses when not in use.

Testing and Preparation for Shipment

The breathing air station shall be tested by the manufacturer prior to shipment. A copy of the manufacturer's test report shall accompany the station at shipment.

A manufacturer's nameplate shall be placed on the interior of the electric panel. The nameplate shall include, at a minimum, manufacturer's name, model number, serial number, compressor block number, and date of manufacture. Voltage, phase / frequency, and amperage are located on another label inside the electrical panel

The station shall be suitably prepared for motor freight transport. The station shall be bolted to a wooden pallet, wrapped in sheet plastic, and fully protected by a wooden crate. The compressor intake and similar openings shall be suitably covered. Component parts, loose parts or associated spare parts shall be packaged separately and shipped on the same pallet if feasible.

Documentation

A documentation package shall be supplied with the station. The documentation package shall include, at a minimum, an operation manual on CD, recommended spare parts list, warranty information and a start-up/warranty registration form.

The Operator's Instruction and Maintenance Manual for the breathing air station shall be as detailed as possible, outlining all operation and maintenance instructions. The manual shall include detailed illustrated drawings for the compressor block and all system components along with a complete parts listing for all illustrated components. Warnings and safety precautions shall be identified clearly in the manual.

Requested Accessories

The manufacturer shall offer the following as accessories to the breathing air station:

- Remote Fill with bulkhead fitting, regulator, pressure gauge, line valve, and quick connect coupling
- Dual pressure cylinder refill system on one position (2216/SCUBA)
- HP hose (50ft) to attach to remote fill.