



403 PEORIA ST. WASHINGTON, IL 61571  
PHONE [800] 747-7442 OR [309] 444-7442  
FAX [309] 444-3180  
E-mail [sales@scbas.com](mailto:sales@scbas.com)

City of Aurora  
City Clerk's Office  
44 East Downer Place  
Aurora, IL

First, I would like to thank you for the opportunity to provide a proposal for Bid#18-47 "Purchase of SCBA Filling Station for the Aurora Fire Department" for the upcoming purchase of a breathing air compressor system. The attached proposal features our Talon II breathing air compressor and Safe Station X4 fill enclosure systems and summarizes the features and benefits of this package for your review.

If you have any questions please feel free to contact me.

Thank You

A handwritten signature in black ink that reads "Rodney Pearson". The signature is written in a cursive style with a long horizontal flourish extending to the right.

SCBAS INC  
800-747-7442  
[rreason@scbas.com](mailto:rreason@scbas.com)

CITY OF AURORA, ILLINOIS  
INVITATION TO BID 18-47  
PURCHASE OF A SCBA FILLING STATION

BID PROPOSAL FORM

**Bid Due Date & Time:** 2:00 p.m. CST, Wednesday, September 5, 2018

To: City of Aurora  
City Clerk's Office  
44 E Downer Place  
Aurora, Illinois 60507

The following offer is hereby made to the City of Aurora, Aurora, Illinois, hereafter called the Owner.

Submitted By:

Redney REASON SCBAS INC

I. The undersigned Vendor proposes and agrees, after having examined the specifications, quantities and other Bid documents, to irrevocably offer to furnish the materials, equipment and services in compliance with all terms, conditions, specifications and amendments (if applicable) contained in the bid solicitation documents. The items in this Invitation to Bid, including, but not limited to, all required certificates, are fully incorporated herein as a material and necessary part of the Bid.

A. The Vendor shall also include with their bid any necessary literature, samples, etc., as required within the Invitation to Bid, Instruction to Bidders and specifications.

B. For purposes of this offer, the terms Offeror, Bidder, and Vendor are used interchangeably.

II. In submitting this Offer, the Vendor acknowledges:

A. All bid documents have been examined: Instructions to Bidder, Specifications and the following addenda:

No. 1, No. 2, No. 3, (Vendor to acknowledge addenda here.)

SUBMITTED BY

COMPANY SCBAS INC

ADDRESS 403 POCRIQ STREET

CITY, STATE, ZIP WASHINGTON IL 61571

AUTHORIZED SIGNATURE [Signature] Title President

EMAIL CREASON@SCBAS.COM

PHONE # (800) 747-7442 FAX # (309) 444-3180 DATE 08-28-2018

CITY OF AURORA, ILLINOIS  
 INVITATION TO BID 18-47  
 PURCHASE OF A SCBA FILLING STATION

**BID PROPOSAL FORM**

I/We propose to furnish material and labor as specified in the attached Specifications to Bid at the following delivered price:

|                              | Make/Model   | Total Cost              |
|------------------------------|--|-------------------------|
| SCBA Filling Station         | ENGLE AIR TALON II -<br>SAFE STATION X4<br>SEE ATTACHED INFO | \$ 46,753 <sup>00</sup> |
| Two Years of On-Site Service |  | \$ 5,417 <sup>00</sup>  |
| Installation                 |  | \$ 800 <sup>00</sup>    |
| Freight                      |  | \$ 1,000 <sup>00</sup>  |
| Net delivered price          |  | \$ 53,970 <sup>00</sup> |

Complete delivery of unit(s) will be received within 60-70 working days upon receipt of order.

All bid prices shall be shown as delivered Aurora Destination, Prepaid and Allowed. Do not add state, federal or local taxes. Municipalities are exempt. Exemption Certification Permit No. Illinois E9996-0842-07.

No additional charges over base bid price will be accepted without written approval of the Purchasing Director.

CITY OF AURORA, ILLINOIS  
INVITATION TO BID 18-47  
PURCHASE OF UNMANNED AIRCRAFT SYSTEMS

BID PROPOSAL FORM (CONT'D)

(Note: Bidders should not add any conditions or qualifying statements to this bid for the bid may be declared irregular as being not responsive to the advertisement for bids.)

The City of Aurora reserves the right at any time and for any reason to cancel this Invitation to Bid, to accept or reject any or all Bids or portion thereof, or accept an alternate bid. The City reserves the right to waive any immaterial defect in any bid, or technicality, informality or irregularity in the bids received, and to disregard all nonconforming or conditional bids or counter-proposals. Unless otherwise specified by the bidder or the City, the City reserves the right to hold the best bids for ninety (90) days from the opening date set forth above. The City may seek clarification from any bidder at any time and failure to respond promptly is cause for rejection. The City further reserves the right to award the bid to the lowest responsible Bidder whose offer best responds in quality, fitness and capacity to the requirements of the proposed work or usage and therefore is in the best interest of the City.

SUBMITTED BY

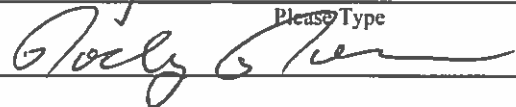
COMPANY SCBAS Inc

ADDRESS 403 Peoria Street

CITY, STATE, ZIP Washington IL 61571

PREPARER'S NAME Rodney Reason

CONTRACT PERSON Rodney Reason  
Please Type

AUTHORIZED SIGNATURE  President  
Please Type Title

PHONE # (800) 777-7442 FAX # (309) 444-3180 DATE 08-28-2018

EMAIL rreason@scbas.com

CITY OF AURORA, ILLINOIS  
INVITATION TO BID 18-47

**PURCHASE OF A SCBA FILLING STATION**

**CONTACT INFORMATION**

Vendor shall provide the following contact information assigned to service the City of Aurora account.

Customer Service/General Information: Ph: 800-747-7442

To place an order:

Name: Rodney Reason  
Ph: 800-747-7442 Fax: 309-444-3180  
E-mail: rreason@scbas.com

Billing & Invoicing question:

Name: Dawn Hatcher  
Ph: 800-747-7442 Fax: 309-444-3180  
E-mail: DHATCHER@SCBAS.COM

Questions:

Name: Rodney Reason  
Ph: 800-747-7442 Fax: 309-444-3180  
E-mail: rreason@scbas.com

Bidder's Name: Rodney Reason, SCBAS TIC

Signature & Date:  08-28-2018

CITY OF AURORA, ILLINOIS  
INVITATION TO BID 18-47

PURCHASE OF A SCBA FILLING STATION

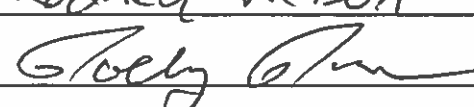
REFERENCES

(Please Type)  
Organization JACKSON Township FIRE Department  
Address 506 WEST MAIN STREET  
City, State, Zip ARCADIA TN 46030  
Phone Number 317-984-3443  
Contact Person JEFF MUSZAR, Chief  
Date of Project 03-01-2018

\*\*\*\*\*  
Organization Bushnell FIRE Protection District  
Address 410 NORTH DEAN STREET  
City, State, Zip Bushnell IL 61422  
Phone Number 309-333-9818  
Contact Person LARRY James  
Date of Project 01-08-2018

\*\*\*\*\*  
Organization HANDOVER Township - CEDAR LAKE FIRE  
Address 13330 Parrish  
City, State, Zip CEDAR LAKE IN 46303  
Phone Number 219-374-5961  
Contact Person BRYAN KURRER  
Date of Project 07-03-2018

\*\*\*\*\*

Bidder's Name: Rodney REASON SCAS INC  
Signature & Date:  08-28-2018

**BIDDER'S CERTIFICATION**

I/We hereby certify that:

- A. A complete set of bid proposal papers, as intended, has been received, and that I/We will abide by the contents and/or information received and/or contained herein.
- B. I/We have not entered into any collusion or other unethical practices with any person, firm, or employee of the City which would in any way be construed as unethical business practice.
- C. I/We have adopted a written sexual harassment policy which is in accordance with the requirements of Federal, State and local laws, regulations and policies and further certify that I/We are also in compliance with all equal employment practice requirements contained in Public Act 87-1257 (effective July 1, 1993) and 775 ILCS 5/2-105 (A).
- D. I/We operate a drug free environment and drugs are not allowed in the workplace or satellite locations as well as City of Aurora sites in accordance with the Drug Free Workplace Act of January, 1992.
- E. The Bid Bidder is not barred from bidding on the Project, or entering into this Bid as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code, or any similar offense of "bid rigging" or "bid rotating" of any state or the United States.
- F. I/We will abide by all other Federal, State and local codes, rules, regulations, ordinances and statutes.

COMPANY NAME SCBAS INC

ADDRESS 403 PEORIA STREET

CITY/STATE/ZIP CODE WASHINGTON IL 61571

NAME OF CORPORATE/COMPANY OFFICIAL Rodney Reason  
PLEASE TYPE OR PRINT CLEARLY

TITLE President

AUTHORIZED OFFICIAL SIGNATURE *[Signature]*

DATE 08-28-2018

TELEPHONE (800)747-7442

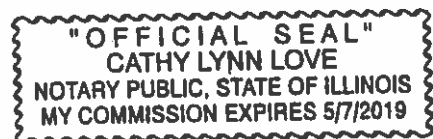
FAX No. (309) 444-7180

Subscribed and Sworn to

Before me this 28 day

of August, 2018

*[Signature]*  
Notary Public



STATE OF ILLINOIS     )  
                                  )  
County of Kane         )     ss.

**BIDDER'S TAX CERTIFICATION**

(BIDDER'S EXECUTING OFFICER), being first duly sworn on oath, deposes and states that all statements made herein are made on behalf of the BIDDER, that this despondent is authorized to make them and that the statements contained herein are true and correct.

Bidder deposes, states and certifies that Bidder is not barred from Biding with any unit of local government in the State of Illinois as result of a delinquency in payment of any tax administered by the Illinois Department of Revenue unless Bidder is contesting, in accordance with the procedures established by the appropriate statute, its liability for the tax or the amount of the tax, all as provided for in accordance with 65 ILCS 5/11-42.1-1.

DATED this 28<sup>th</sup> day of August, 2018.

By *Rodney Reason*  
(Signature of Bidder's Executing Officer)

Rodney Reason  
(Print name of Bidder's Executing Officer)

President  
(Title)

ATTEST/WITNESS:

By \_\_\_\_\_

Title \_\_\_\_\_

Subscribed and sworn to before me this 28 day of August, 2018.

*Cathy Lynn Love*  
Notary Public

(SEAL)





CITY OF AURORA, ILLINOIS  
INVITATION TO BID 18-47

**PURCHASE OF A SCBA FILLING STATION  
FOR THE AURORA FIRE DEPARTMENT**

**BID PROPOSAL SPECIFICATIONS**

**Section 1. Project Introduction and Purpose**

Bidders are required to read and understand all information contained within the entire Bid Proposal package. By responding to this Bid, the Bidder agrees to have read and understand these documents.

**Purpose:** The City of Aurora (hereinafter "the City") is accepting competitive sealed bids from qualified and authorized Vendors for the anticipated purchase of a SCBA Filling Station for the Aurora Fire Department.

**Section 2. Minimum Qualifications**

The following are minimum requirements that the vendor must meet in order to be eligible to submit a bid proposal. Responses must clearly show compliance with these minimum qualifications. The City will reject without further consideration those applications that are not clearly responsive to these minimum qualifications.

**Approved Equal**

If and wherever in the specifications reference is made to a brand name, catalog number, or use of a specific description as refer thereto, and etc., it is only for the purpose of establishing a grade and quality. Since the City does not wish to rule out other brands, the phrase "or approved equal" is added unless indicated as "NO SUBSTITUTION." An "approved equal" is identical, equivalent, or superior in grade or quality with these specifications that may be offered. The City will be the sole judge as to acceptability of an "Approved Equal."

**General Requirements**

Bids must be submitted on the forms provided and all information and certifications called for must be furnished. Bids submitted in any other manner, or which fail to furnish all information or certificates required, may be summarily rejected. Bids may be modified or withdrawn prior to the time specified for the opening of bids. Bids shall be filled out legibly in ink or type-written with all erasures, strike overs and corrections initialed in ink by the person signing the bid. The bid shall include the legal name of the bidder, the complete mailing address, and be signed in ink by a person or persons legally authorized to bind the bidder to a contract. Name of person signing should be typed or printed below the signature.

The contract will be issued in the form of a purchase order. All properly authorized purchases and services of the City shall be evidenced by the issuance of the same. Please be advised that any invoice received by the City not referencing a purchase order number may not be accepted as a valid City obligation.

**Illinois Non-Appropriation Clause:**

A forfeit clause is provided pursuant to the Illinois Non-Appropriation Clause of funds for government entities that if funds or budgets are not approved, service may be cancelled. No early cancellation penalties will be assessed, but the customer must be given 30-day notice of intent to cancel.

**Termination for Clause:**

This Contract may be terminated by the City at any time upon thirty (30) days written notice, or by either party in the event of substantial failure to perform in accordance with the terms hereof by the other party through no fault of the terminating party. This Contract is also subject to termination by either party if either party is restrained by state or federal law of a court of competent jurisdiction from performing the provisions of this Agreement.

Upon such termination, the liabilities of the parties to this Contract shall cease, but they shall not be relieved of the duty to perform their obligations up to the date of termination. Mailing of such notice, as and when above provided, shall be equivalent to personal notice and shall be deemed to have been given at the time of mailing.

If this Contract is terminated due to the City's substantial failure to perform, the Contractor shall be paid for labor and expenses incurred to date, subject to set off for any damages, losses or claims against the City resulting from or relating to Contractor's performance or failure to perform under this agreement.

In the event of termination by the City upon notice and without cause, upon completion of any phase of the Basic Services, fees due the Contractor for services rendered through such phase shall constitute total payment for services. In the event of such termination by the City during any phase of the Basic Services, the Contractor will be paid for services rendered during the phase on the basis of the proportion of work completed on the phase as of the date of termination to the total work required for that phase.

**Response Instructions**

An original bid response, marked as "original" and two (2) complete paper copies shall be returned in a sealed package or envelope bearing the name and address of the respondent and be labeled "18-47 Purchase of SCBA Filling Station." Your Bid may be mailed or hand delivered to:

**City of Aurora  
City Clerk's Office, 2<sup>nd</sup> Floor  
44 E Downer Place  
Aurora, Illinois 60507**

The City shall not be responsible for late delivery of your Bid by a third party courier. There will be no exceptions!

Inquiries and/or questions pertaining to the provisions and specifications of this bid package shall be directed to the Director of Purchasing, in writing at [PurchasingDL@aurora-il.org](mailto:PurchasingDL@aurora-il.org). Questions and approval for equivalent equipment will be accepted until 8:00 am, Tuesday, August 28, 2018. Questions will be answered via addendum and posted to the City's website at <https://www.aurora-il.org/bids.aspx> by 12:00 pm, Thursday, August 30, 2018. NO questions will be accepted or answered verbally. No questions will be accepted or answered after the **August 28, 2018, 8:00 am cut-off date/time**. It is the bidder's responsibility to check the website before submitting their bid.

**BIDS MAY NOT BE SUBMITTED ELECTRONICALLY.**

### **Section 3. Product Specifications**

The City of Aurora is seeking to purchase, but not restricted, to purchase one SCBA Filling Station compressor, model Eagle Air Talon II

All items shall be new and delivered pursuant the following service agreement requirements:

The compressor **must** meet following requirements:

1. 20 HP three-phase electric motor
2. 27 cfm charge rate
3. 85,000 cu. ft. purification system meeting CGA G-7.1, Grade E, NFPA 1500 air quality standards
4. Four-stage compressor block with electric motor and starter
5. Low oil shutdown switch and warning light
6. High temperature shutdown switch and warning light
7. Automatic pressure shutdown switch and light
8. Purge cycle indicator light
9. Door ajar shutdown light
10. General fault light
11. Illuminated on/off indicator
12. Illuminated control panel with switch
13. Gauge panel for all stages
14. Hour meter
15. Automatic condensate drain
16. Drain muffler and reservoir
17. Emergency stop palm button
18. All panels and access doors shall include sound dampening insulation
19. CGA grade "D", NFPA 1500 air quality test (one time test)
20. One year warranty on all parts and labor, on-site
21. Two year warranty on block parts only
22. Integrated electronic carbon monoxide monitor with calibration panel
23. Air-assisted lift doors
24. Four cylinder fill station
25. Safety interlock system to prevent filling of SCBA bottles if cylinder door not completely closed
26. Swing-out cylinder container
27. UL-tested fill enclosure required
28. Air control panel with storage fill valve, supply pressure gauge, pressure regulator, & fill hose control valve
29. Four bank cascade control panel with control valve and gauge for each storage cylinder
30. Four cylinder whips with valves and bleeder valves
31. Integrated hose reel with 50', 6000 PSI hose, with shut-off valve, bleeder valve and appropriate fill connection. Gauge is on control panel.

Bid cost will also include the following:

1. Two years of on-site servicing and maintenance for all three of the Aurora Fire Department's SCBA filling compressors and stations.

1. All equipment shall be new and not previously issued and shall have their full original manufacturer's warranties in effect, if applicable.
2. Installation of compressor and all related components. The city will ensure the appropriate electric supply and disconnect box is run for the system.
3. Connection of the compressor to the Aurora Fire Department's current ASME fill cylinders.
4. Startup of the new system
5. Three consecutive days of training of operation and general maintenance of system for shift personnel
6. All freight charges



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08/31/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


|  |   |  |
|--|---|--|
| PRODUCER<br><b>Hediger and Meyers, Inc.</b><br>4208 W. Partridge Way<br>P.O. Box 3858<br>Peoria, IL 61612<br>Michael G. Strode       | 309-691-5001                                    | CONTACT NAME: <b>Brenda Bennett</b><br>PHONE (A/C, No, Ext): <b>309-691-5001</b><br>FAX (A/C, No): <b>309-691-9402</b><br>E-MAIL ADDRESS: <b>bbennett@hedigerandmeyers.com</b> |
|  | INSURER(S) AFFORDING COVERAGE                   |  |
| INSURED <b>SCBAS Investments DBA:<br/>         SCBAS, Inc.<br/>         403 Peoria Street<br/>         Washington, IL 61571-2426</b> | <b>INSURER A : Cincinnati Insurance Company</b> | <b>NAIC # 10677</b>  |
|  | <b>INSURER B : Cincinnati Indemnity Company</b> | <b>23280</b>   |
|  | <b>INSURER C : Cincinnati Specialty</b>         |  |
|  | <b>INSURER D :</b>                              |  |
|  | <b>INSURER E :</b>                              |  |
|  | <b>INSURER F :</b>                              |  |

### COVERAGES                      CERTIFICATE NUMBER:                      REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE  | ADOL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS  |
|----------|--|-----------|----------|---------------|-------------------------|-------------------------|---|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br><input type="checkbox"/> OTHER |           | Y        | EPP0296670    | 01/30/2018              | 01/30/2019              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000<br>MED EXP (Any one person) \$ 5,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ excluded |
| A        | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY  |           |          | EBA0296670    | 01/30/2018              | 01/30/2019              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$   |
|          | <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED RETENTION \$   |           |          |               |                         |                         | EACH OCCURRENCE \$<br>AGGREGATE \$<br>\$  |
| B        | <input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y <input checked="" type="checkbox"/> N<br>If yes, describe under DESCRIPTION OF OPERATIONS below   |           | N/A      | EWC029716404  | 01/30/2018              | 01/30/2019              | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000                               |
| C        | <input type="checkbox"/> General Liability<br><input checked="" type="checkbox"/> Completed Ops  |           |          | CSU0065893    | 01/30/2018              | 01/30/2019              | Agg 2,000,000<br>Ea Occ 1,000,000   |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
**AURORA FIRE DEPARTMENT / CITY OF AURORA IS NAMED AS ADDITIONAL INSURED WHEN REQUIRED BY WRITTEN CONTRACT RE: WORK PERFORMED BY THE INSURED. FORM GA472 APPLIES.**

|   |  |
|---|--|
| <b>CERTIFICATE HOLDER</b><br><br>CITYAU1<br><br><b>City of Aurora</b><br>44 East Downer Place<br>Aurora, IL 60507 | <b>CANCELLATION</b><br><br>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.<br><br>AUTHORIZED REPRESENTATIVE<br> |
|---|--|



# City of Aurora

Purchasing Division • Finance Department • 44 E. Downer Place • Aurora, Illinois 60507-2067  
(630) 256-3550 • FAX (630) 256-3559

**Jolene Coulter**  
Director of Purchasing

DATE: August 29, 2018  
TO: Prospective Bidders  
FROM: Jolene Coulter, Director of Purchasing  
RE: **CITY OF AURORA INVITATION TO BID 18-47**  
**SCBA Filling Station for the Aurora Fire Department**

This notice forms a part of the Invitation to Bid 18-47 SCBA Filling Station for the Aurora Fire Department. All other information pertaining to this Invitation to Bid shall remain the same.

**Please submit an original response and two (2) complete paper copies of your sealed bid proposal to the office of the City Clerk, 44 E. Downer Place, Aurora, IL 60507 no later than 2:00 pm, Wednesday, September 5, 2018.**

Bidders are hereby instructed to acknowledge this addendum on their Bid Proposal Form. Failure to acknowledge the addendum may be considered non responsive.

Responses to questions received by 8:00 am, Tuesday, August 28, 2018:

- 1) Clarification of Appendix A, page 4, #1: Two years of on-site servicing and maintenance for all three of the Aurora Fire Departments SCBA filling compressors and stations.

In addition to the new equipment purchase, there are two others that will need to be serviced /maintained as part of this bid.

Fire Station 8, located at 3770 McCoy Drive, Aurora, IL 60504

Has the following:

Make - Mako

Model # - BAM07H 15 H.P.

MFG Date 2007

Filters – MK-5C Cartridge 1503, MK-5C 5407 Cartridge PD1803

Fire Station 10, located at 2390 W. Illinois Avenue, Aurora, IL 60506

Has the following:

Make - Mako

Model # - K-51

MFG Date Unknown

Filters – MK-1C Cartridge PC 1801

**End of Addendum**

**SCBAS, INC.**  
**403 PEORIA ST.**  
**WASHINGTON, IL 61571**  
**PHONE 800/747-7442 or FAX 309/444-3180**

DATE: August 28, 2018  
 F.O.B. POINT: DESTINATION  
 TERMS: NET 30 DAYS  
 SHIP DATE: 10-12 WEEKS ARO

TO: AURORA FIRE DEPARTMENT  
 44 E DOWNER PLACE  
 AURORA, IL 60507

| QTY | PART #     | DESCRIPTION  | UNIT PRICE             | TOTAL PRICE |
|-----|------------|--|------------------------|-------------|
| 1   | T220N(3)   | EAGLE TALON II MODEL BREATHING AIR COMPRESSOR. 6000 PSI MAXIMUM PRESSURE, 20 H.P., 3 PHASE ELECTRIC DRIVE MOTOR, 27 SCFM CHARGE RATE, 85,000 CU. FT. PURIFICATION SYSTEM. INCLUDES THE FOLLOWING:<br>COMPRESSOR BLOCK, 4 STAGE ELECTRIC MOTOR AND STARTER<br>PURIFICATION SYSTEM TO MEET CGA G-7.1, GRADE E, NFPA 1500 AIR QUALITY STANDARDS<br>LOW OIL LEVEL SHUTDOWN SWITCH AND LIGHT<br>HIGH TEMPERATURE SHUTDOWN SWITCH AND LIGHT<br>AUTOMATIC PRESSURE SHUTDOWN SWITCH AND LIGHT<br>PURGE CYCLE INDICATOR LIGHT<br>DOOR AJAR SHUTDOWN LIGHT<br>GENERAL FAULT LIGHT<br>ILLUMINATED ON/OFF INDICATOR<br>ILLUMINATED CONTROL PANEL WITH SWITCH<br>GAUGE PANEL FOR ALL STAGES<br>HOURMETER<br>AUTOMATIC CONDENSATE DRAIN<br>DRAIN MUFFLER AND RESERVOIR<br>EMERGENCY STOP PALM BUTTON<br>ALL PANELS AND ACCESS DOORS SHALL INCLUDE SOUND DAMPENING INSULATION<br>CGA GRADE "D", NFPA 1500 AIR QUALITY TEST, 1 TIME<br>1 YEAR WARRANTY ALL PARTS & LABOR, ON SITE<br>2 YEAR WARRANTY ON BLOCK PARTS ONLY | *SEE BID PROPOSAL FORM |             |
| 1   | CO MONITOR | INTEGRATED ELECTRONIC CARBON MONOXIDE MONITOR WITH CALIBRATION PANEL   |                        | INCLUDED    |

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*



SIGNATURE \_\_\_\_\_

**SCBAS, INC.**  
**403 PEORIA ST.**  
**WASHINGTON, IL 61571**  
**PHONE 800/747-7442 or FAX 309/444-3180**

DATE: August 28, 2018  
 F.O.B. POINT: DESTINATION  
 TERMS: NET 30 DAYS  
 SHIP DATE: 10-12 WEEKS ARO

TO: AURORA FIRE DEPARTMENT  
 44 E DOWNER PLACE  
 AURORA, IL 60507

| QTY | PART # | DESCRIPTION   | UNIT PRICE | TOTAL PRICE |
|-----|--------|---|------------|-------------|
| 1   | SSX4   | EAGLE SAFESTATION X4, TFOUR CYLINDER<br>FILL ENCLOSURE. INCLUDES THE FOLLOWING:<br>FILLS UP TO THREE CYLINDERS AT A TIME<br>FRAGMENT CONTAINMENT DESIGN<br>SAFETY INTERLOCK SYSTEM TO PREVENT<br>FILLING OF SCBA CYLINDERS IF CYLINDER<br>DOOR IS NOT COMPLETELY CLOSED<br>SWING -OUT CYLINDER CONTAINER FOR EASY<br>CYLINDER LOADING/UNLOADING<br>AIR CONTROL PANEL WITH STORAGE FILL<br>VALVE, SUPPLY PRESSURE GAUGE,<br>PRESSURE REGULATOR, REGULATED<br>PRESSURE GAUGE AND FILL HOSE<br>CONTROL VALVE<br>4 BANK CASCADE CONTROL PANEL WITH<br>CONTROL VALVE AND GAUGE FOR EACH<br>STORAGE CYLINDER<br>FOUR FILL WHIPS WITH VALVES AND BLEEDER<br>VALVES |            | INCLUDED    |

\*NOTE: AURORA FIRE DEPARTMENT WILL PROVIDE THE FOUR ASME CYLINDERS,  
 MODIFIED CYLINDER STORAGE RACK, AND ALL HIGH PRESSURE HOSE.  
 SCBAS INC WILL COMPLETE THE SYSTEM INSTALLATION WITH THESE  
 ITEMS.

|   |           |   |  |          |
|---|-----------|---|--|----------|
| 1 | HOSE REEL | INTEGRATED HOSE REEL WITH 50', 6000 PSI HOSE,<br>WITH SHUT-OFF VALVE, BLEEDER VALVE AND<br>APPROPRIATE FILL CONNECTION. GAUGE IS ON<br>CONTROL PANEL. |  | INCLUDED |
|---|-----------|---|--|----------|

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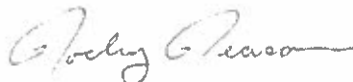


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AURORA, IL 60507

| QTY | PART #  | DESCRIPTION  | UNIT PRICE | TOTAL PRICE |
|-----|---------|--|------------|-------------|
| 1   | MISC.   | ***NOTE: THE PRICE OF THE SYSTEM ON THE PREVIOUS PAGE INCLUDES THE STARTUP OF THE SYSTEM AND TRAINING OF THE DESIGNATED PERSONNEL ON THE OPERATION AND GENERAL MAINTENANCE OF THE SYSTEM. IT WILL BE THE RESPONSIBILITY OF THE FIRE DEPARTMENT TO HAVE ALL OF THE PROPERLY SIZED ELECTRICAL SUPPLY LINES RAN TO A PROPERLY SIZED FUSIBLE DISCONNECT BOX NEAR THE COMPRESSOR LOCATION. SCBAS WILL THEN CONNECT THE COMPRESSOR TO THE DISCONNECT BOX AND COMPLETE THE INSTALLATION AND MAKE FINAL ADJUSTMENTS. |            | INCLUDED    |
| 1   | FREIGHT | ALL FREIGHT CHARGES  |            | INCLUDED    |



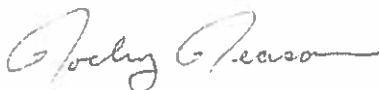
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AURORA, IL 60507

| QTY                             | PART #    | DESCRIPTION   | UNIT PRICE             | TOTAL PRICE |
|---------------------------------|-----------|---|------------------------|-------------|
| • STATION 8 – MAKO MODEL BAM07H |           |   |                        |             |
| 1                               | MISC.     | ALL PARTS, LABOR AND DRIVE TIME TO PERFORM GENERAL MAINTENANCE ON YOUR MAKO BREATHING AIR COMPRESSOR. THIS WILL INCLUDE THE FOLLOWING:<br>CHANGE OIL WITH SYNTHETIC OIL<br>CHANGE OIL FILTER<br>CHANGE PURIFICATION CARTRIDGE<br>CHANGE INTAKE FILTER (IF NEEDED)<br>OPERATE MACHINE AND CHECK ALL OPERATIONS OF ENTIRE SYSTEM<br>ANY MINOR ADJUSTMENTS OR REPAIRS WILL BE MADE AT NO EXTRA CHARGE FOR LABOR, BUT ANY PARTS NOT LISTED ABOVE WILL BE EXTRA<br>ANY REPAIRS NEEDING EXTRA PARTS WILL BE MADE ONLY AFTER YOUR APPROVAL TO DO SO. | *SEE BID PROPOSAL FORM |             |
| 1                               | LS-901572 | BREATHING AIR QUALITY TESTING, QUARTERLY (EVERY THREE MONTHS) TESTED TO CGA GRADE "E" AND NFPA STANDARDS<br>*NOTE: THE MAINTENANCE WILL BE PERFORMED 1 TIME PER YEAR  |                        |             |



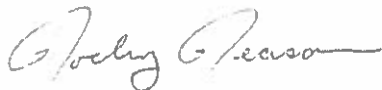
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**WASHINGTON, IL 61571**  
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44 E DOWNER PLACE  
AURORA, IL 60507

| QTY                                   | PART #    | DESCRIPTION   | UNIT PRICE             | TOTAL PRICE |
|---------------------------------------|-----------|---|------------------------|-------------|
| <b>• STATION 10 – MAKO MODEL K-51</b> |           |   |                        |             |
| 1                                     | MISC.     | ALL PARTS, LABOR AND DRIVE TIME TO PERFORM GENERAL MAINTENANCE ON YOUR MAKO BREATHING AIR COMPRESSOR. THIS WILL INCLUDE THE FOLLOWING:<br>CHANGE OIL WITH SYNTHETIC OIL<br>CHANGE OIL FILTER<br>CHANGE PURIFICATION CARTRIDGE<br>CHANGE INTAKE FILTER (IF NEEDED)<br>OPERATE MACHINE AND CHECK ALL OPERATIONS OF ENTIRE SYSTEM<br>ANY MINOR ADJUSTMENTS OR REPAIRS WILL BE MADE AT NO EXTRA CHARGE FOR LABOR, BUT ANY PARTS NOT LISTED ABOVE WILL BE EXTRA<br>ANY REPAIRS NEEDING EXTRA PARTS WILL BE MADE ONLY AFTER YOUR APPROVAL TO DO SO. | *SEE BID PROPOSAL FORM |             |
| 1                                     | LS-901572 | BREATHING AIR QUALITY TESTING, QUARTERLY (EVERY THREE MONTHS) TESTED TO CGA GRADE "E" AND NFPA STANDARDS<br>*NOTE: THE MAINTENANCE WILL BE PERFORMED 1 TIME PER YEAR  |                        |             |



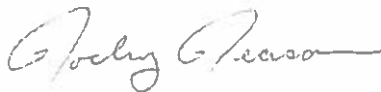
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AURORA, IL 60507

| QTY                            | PART #    | DESCRIPTION  | UNIT PRICE             | TOTAL PRICE |
|--------------------------------|-----------|--|------------------------|-------------|
| • STATION – EAGLE AIR TALON II |           |  |                        |             |
| 1                              | MISC.     | ALL PARTS, LABOR AND DRIVE TIME TO PERFORM GENERAL MAINTENANCE ON YOUR EAGLE BREATHING AIR COMPRESSOR. THIS WILL INCLUDE THE FOLLOWING:<br>CHANGE OIL WITH SYNTHETIC OIL<br>CHANGE OIL FILTER<br>CHANGE PURIFICATION CARTRIDGE<br>CHANGE INTAKE FILTER (IF NEEDED)<br>OPERATE MACHINE AND CHECK ALL OPERATIONS OF ENTIRE SYSTEM<br>ANY MINOR ADJUSTMENTS OR REPAIRS WILL BE MADE AT NO EXTRA CHARGE FOR LABOR, BUT ANY PARTS NOT LISTED ABOVE WILL BE EXTRA<br>ANY REPAIRS NEEDING EXTRA PARTS WILL BE MADE ONLY AFTER YOUR APPROVAL TO DO SO. | *SEE BID PROPOSAL FORM |             |
| 1                              | LS-901572 | BREATHING AIR QUALITY TESTING, QUARTERLY (EVERY THREE MONTHS) TESTED TO CGA GRADE "E" AND NFPA STANDARDS<br>*NOTE: THE MAINTENANCE WILL BE PERFORMED 1 TIME PER YEAR   |                        |             |



SIGNATURE \_\_\_\_\_

**EagleAir, Inc.**  
**TalonBAC Breathing Air Compressor**  
**Technical Specifications**  
**Model T220N**

**I. General Arrangement**

The breathing air compressor shall be a packaged appliance designed to deliver high pressure breathing air in compliance with the most current NFPA and CGA air quality standards for the refilling of SCBA and SCUBA cylinders. The system shall include the high pressure air compressor, electric motor, air purifier, and all operating controls as specified below. The breathing air compressor shall be completely assembled and tested by the manufacturer requiring only electrical power supply to operate. The breathing air compressor shall be designed with all operating controls and performance indicators located on a panel at the front of the appliance allowing "at sight" operator monitoring. The appliance shall comply with the currently applicable OSHA specifications as well as state and local electrical codes.

The external construction of the high pressure breathing air compressor shall be appliance-like. All structural fasteners shall be concealed and all access panels shall include concealed hinges and push button latches. Two (2) full height doors on each side of the appliance shall be provided for maintenance access to the compressor. The doors shall include a shutdown switch to prevent exposure to running gear in the event either is opened while the compressor is in operation.

The cabinet shall be designed to minimize noise emission and include sound abatement insulation. The noise level shall not exceed 76 dB at one meter.

The compressor control panel shall be ergonomically designed and feature graphic design technology to group all control components and indicators logically and by function. For maximum clarity and visibility, colored lines shall isolate each control component group. Each group shall then be located within a graphic flow control schematic background and identified with permanent text integral to the panel surfaces. High visibility colored text shall identify and provide operator instructions for all critical functions.

The cabinet configuration shall permit installation with the rear "against the wall" and dimensions not to exceed 71"H x 34-½"W x 44"D. A removable blister panel in the rear will allow for a doorway clearance of 34", if required.

The appliance shall include an ambient air flow control design that directs the necessary volume of cooling air to the compressor. The cooling system shall also include an integral, top discharge extractor to completely vent the resulting hot air from the compression process out of the cabinet.

All high pressure air plumbing shall be rated for 6000 psig working pressure and utilize seamless stainless steel tubing. All high pressure air tube connections shall use compression type fittings.

The electrical control system shall include motor control components with UL, NEMA or IEC approval and 12vdc control circuit housed within a UL® listed, NEMA enclosure.

The breathing air system manufacturer shall be a NRTL (Nationally Recognized Testing Laboratory) Licensed Panel Shop as per UL® 508A standard.

## II. Compressor

The ambient air intake and compression shall be through an air-cooled, reciprocating, pressure oil lubricated, four-stage compressor designed for continuous duty at 6000 psig working pressure with a charging rate of 27.0 CFM. The air compressor design shall include a heavy-duty cast iron crankcase supporting the crankshaft with oversized ball bearings on each end. The cylinder arrangement shall be a balanced "V" configuration featuring ringed pistons assuring maximum balance and air volume delivery efficiency while operating at a maximum compressor speed of 1500 RPM. Lubrication shall be accomplished by controlled splash and shall include a crankshaft driven oil pump to supply metered quantities of oil directly to the fourth stage piston through a replaceable (spin-off) full flow filter. Crankcase level is verified via an oil level sight glass with minimum and maximum indicators.

Each stage of compression shall be protected with a safety relief valve. Valve inspection covers are provide for the first and second stage cylinders to allow for easy access. All valve assemblies shall be designed so they can be repaired without replacing the entire assembly. The cylinders shall include cooling fins to dissipate heat into the cooling air flow from the compressor's integral flywheel fan. Individually mounted coolers shall be located after each compression stage to cool the discharged air to 18°F. above ambient temperature. Accumulated condensation from cooling the compressed air shall be collected in moisture separators mounted on each stage of the compressor and discharged to an automatic, internal, timed drain system for proper collection and disposal.

Prior to shutdowns, the compressor shall be allowed to run unloaded (with opened drains) for a timed period (Purge Cycle) in order to purge all cylinders, separators and crankcase of damaging condensation that develops as compressors cool down. The compressor control panel shall also include a condensate purge test switch in order to verify proper operation of the automatic condensate drain system on demand.

## III. Electric Motor

The compressor shall be v-belt driven by a NEMA design, 20 HP, open drip proof electric motor wired for the electrical conditions as shown below:

|                               |
|-------------------------------|
| <b>60 Hertz Current</b>       |
| <b>(select one)</b>           |
| <b>3 Phase, 208/230 volts</b> |
|                               |

The motor shall be located under the compressor and driven via v-belt drive arrangement utilizing a hinged motor base to facilitate belt tension adjustment. The compressor and motor base shall include zinc plated, steel encased neoprene mounts to isolate vibration from the appliance.

#### **IV. Electrical Control System**

The breathing air compressor shall include all the necessary controls to assure safe, efficient operation and monitor performance. The control system shall be of an anti-flutter circuit design and include a latched fault protection circuit to prevent automatic restarting after an abnormal fault has occurred. As a minimum, the control system must include the following:

- Air pressure switch to automatically start and stop the compressor based on demand.
- High air temperature shutdown switch.
- Low oil pressure shutdown switch.
- Magnetic, across-the-line starter with electric motor overload protection.
- Compressor access door safety shutdown switch.
- Compressed air electronic carbon monoxide (CO) detector with pre-set warning, shutdown limits and audible alarm. A shutdown audible alarm shall be supplied for all abnormal conditions.
- Auto-drain condensate reservoir capacity shutdown switch with illuminated indicator.

#### **V. Instrumentation**

The control system must include all monitoring devices as indicated below. These shall be mounted on a control panel located at the front of the compressor with all indicators and gauges grouped logically and each group positioned within a graphic flow control schematic and identified with integral text. The panel background color shall be matte black shade with a textured finish to eliminate glare. Panel component and indicator groups shall be offset by colored lines to enhance operational visibility and safety.

The compressor's instrumentation panel shall also be engineered for quick and convenient access to all key electrical control components, minimizing the need to use the appliance maintenance access doors. Indicator lights, pressure switch and all control wiring shall be accessible for routine maintenance and adjustments through hinged, "knockdown" sub-panels on the front of the compressor. The operator control panel shall be designed and pre wired to permit the easy plug and play installation of optional CO or H<sub>2</sub>O monitor additions. The unit must be designed to allow full integral installation of any future upgrades without the use of external wiring, piping or remotely mounted components.

As a minimum, the instrumentation required is as follows:

- Compressor inter-stage and final pressure gauges.
- Compressor oil pressure gauge.
- Hour-meter.
- Independent illuminated power ON and OFF buttons.
- Normal high air pressure shutdown indicator light.
- Purge cycle indicator light and test switch.
- Enhanced shutdown indicator light package including low oil pressure, high compressed air temperature, motor overload, auto-drain reservoir limit and door ajar shutdown conditions.
- General fault shutdown indicator light.
- Emergency stop button.

- Digital CO monitor panel with actual content display in parts per million (PPM) and prompter software keypad for calibration. A flow panel with factory plumbed calibration gases shall be included.

## **VI. Air Purification System**

The high pressure air purification system shall be a multi-chamber arrangement that utilizes disposable cartridges manufactured to provide breathing air that meets or exceeds NFPA and CGA Grade "E" specifications and all other equivalent and recognized standards in use worldwide.

All system components shall be rated for 6000 psig working pressure with a four-to-one safety factor. All chambers in the system shall be constructed of 304 stainless steel to enhance safety and corrosion resistance.

The purification system shall be sized to process 85,000 cubic feet of air at 70°F and compressed to 6000 psig between cartridge changes.

The system shall include the following:

- Final separator chamber connected to the automatic condensate drain system.
- Check valve to prevent back pressure to the compressor.
- One (1) 33" desiccant cartridge chamber.  
One (1) 33" purifier cartridge chamber.
- Pressure maintaining valve to assure that the system is maintained pressurized in order to attain the rated processing capacity of the air purification cartridge(s).
- Safety relief valve.
- Drain valve to relieve the system pressure for maintenance.
- Stem-mounted gauge for system pressure verification.

The system shall be designed so that filling cannot occur in the event that the purification cartridge is not installed. Additionally, the purification system shall have "keyed" chambers so that the filter cartridges can only be installed in their proper sequence.

## **VII. FREIGHT, DELIVERY AND INSTALLATION**

The price of the system shall include all freight, delivery, installation, startup and training of the designated personnel on the operation and general maintenance of the system for three consecutive days. SCBAS Inc will connect fill enclosure air control panel to existing cascade cylinders and hoses. It will be the customers responsibility to have all of the properly sized electrical supply lines ran to a properly sized fusible disconnect box near the compressor location. The supplier will then connect the compressor to the disconnect box and complete the installation and make final adjustments.

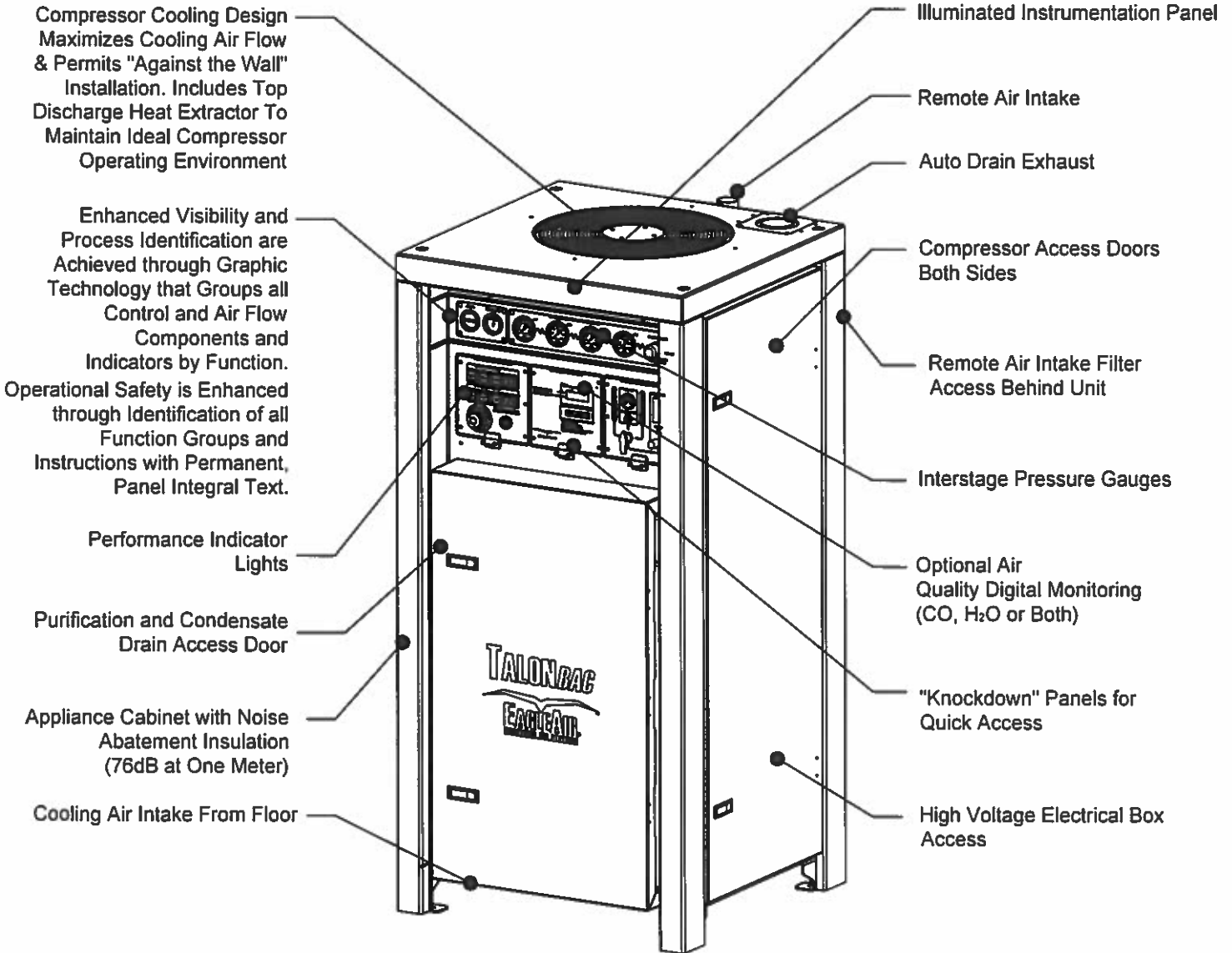




# TALONBAC

## Breathing Air Compressor

Standard & Optional Features

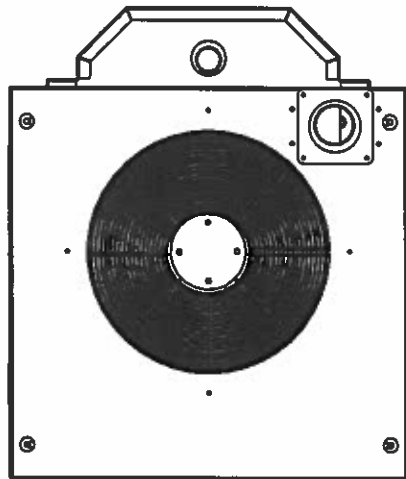




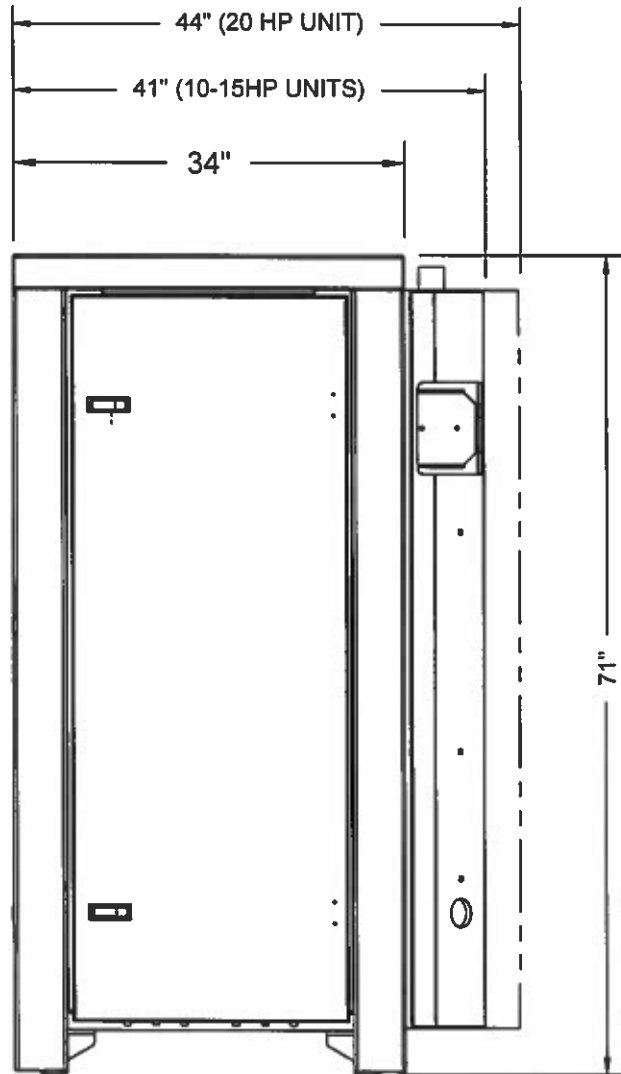
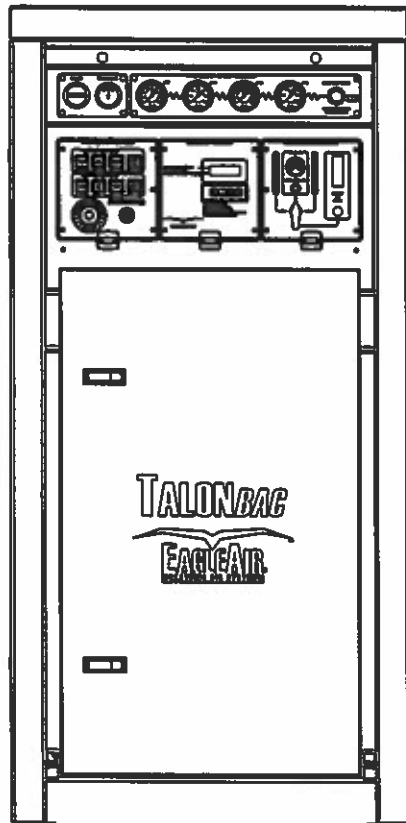
# TALONBAC

## Breathing Air Compressor

*Dimensional Specifications*



34 1/2"

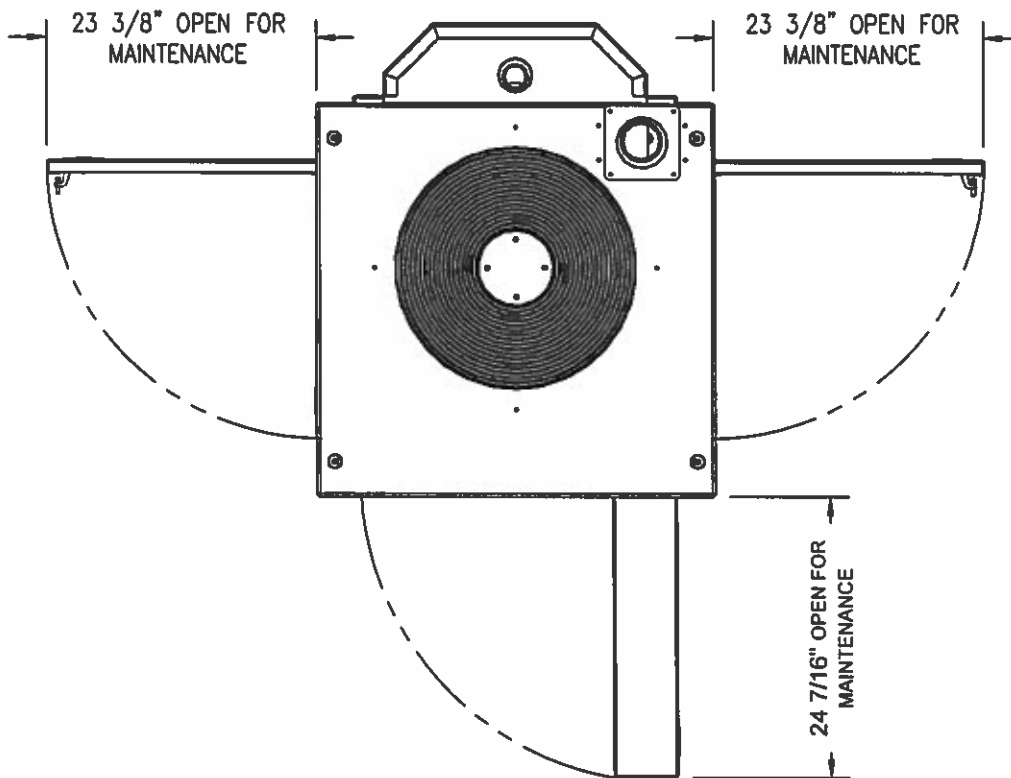
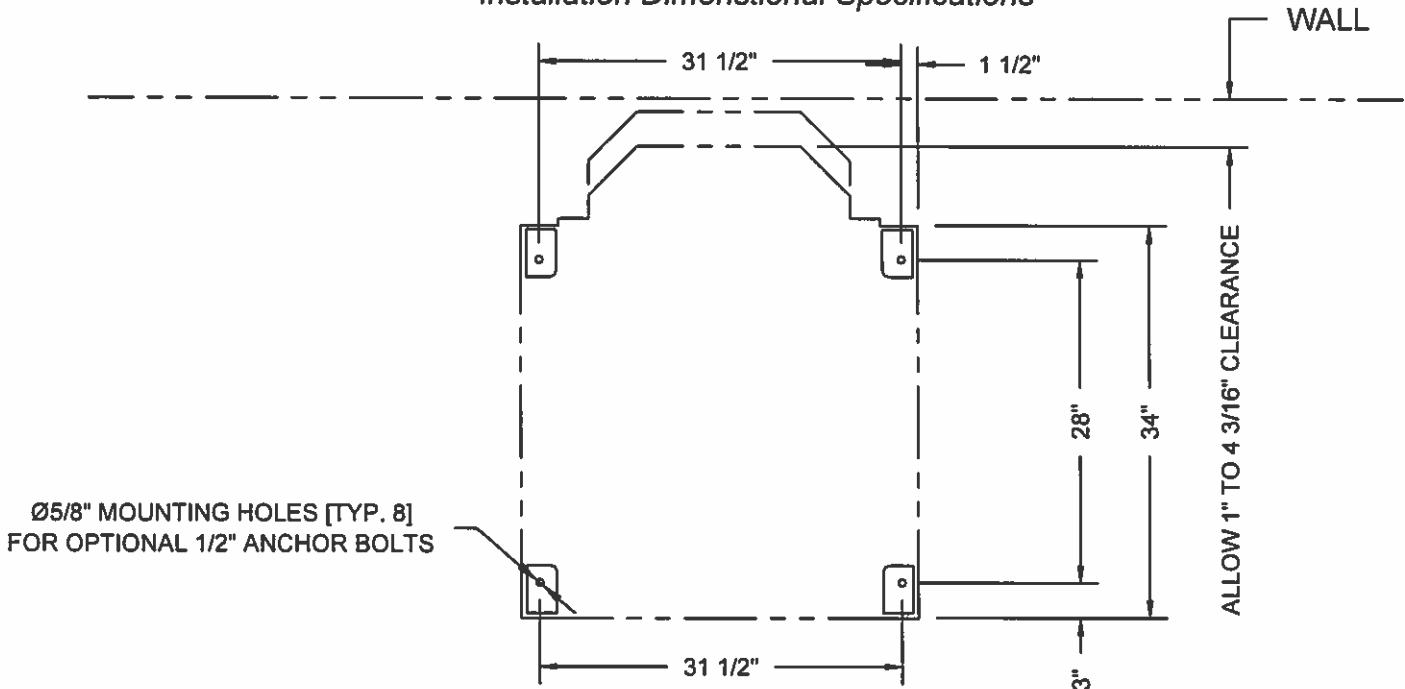




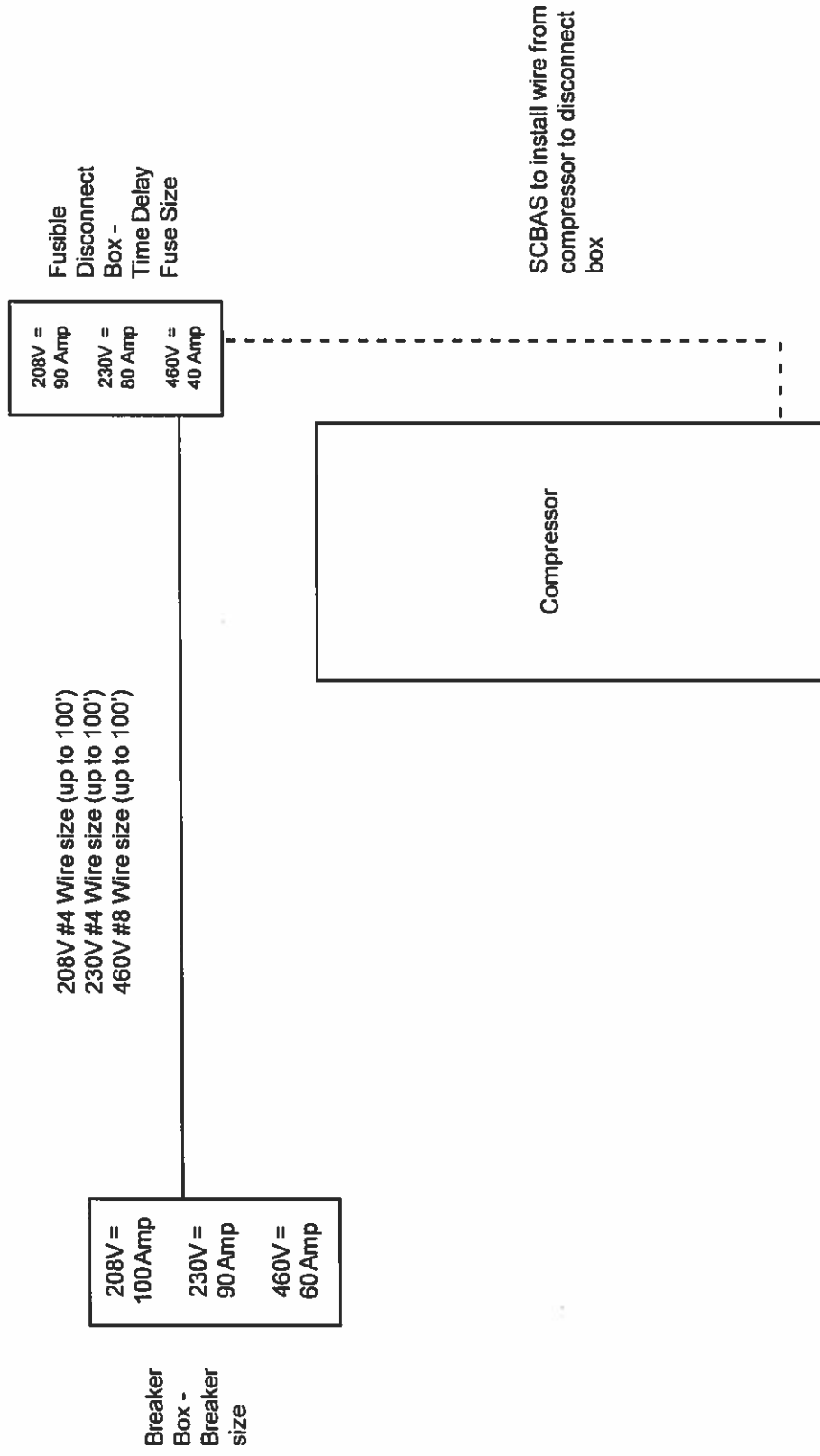
# TALONBAC

## Breathing Air Compressor

### Installation Dimensional Specifications



You are getting a 3 phase, 20 HP, ??? Volt motor. The motor starter (contactor) and all controls are on the compressor.



The compressor is 71" high x 34½" wide x 44" deep, so the ideal location for the disconnect box is 72" from the floor to the BOTTOM of the disconnect box, and mounted to the right side of the compressor location. That way, you can get to the box to turn it off/on easily.

**Eagle Compressors, Inc.**  
**SafeStationX4**  
**Fill Station Specifications**  
**Model SSX4**

## **I. General Arrangement**

The fill station shall be designed for filling four (4) SCBA cylinders simultaneously or separately. The fill station shall be designed for filling two (2) SCUBA cylinders with a maximum height of 29", including service valve, boot and fill attachment. The enclosure shall be designed to contain the impact of suddenly expanded high pressure air and all displaced fragments in the unlikely event of a cylinder or fill component rupture.

The fill station containment design must be UL (Underwriters Laboratories) classified and for maximum operator safety certified to meet NFPA 1901-2009 standards. The UL testing certificate must be included with the bid or request for quotation and included with the operator's manual when the system is shipped.

The fill station loading door must be designed to be trapped behind the fill enclosure cabinet frame when closed and include an automatic, safety interlock to prevent filling unless the loading door is completely closed. A safety relief valve, to prevent over pressurizing SCBA/SCUBA cylinders above 4750 PSIG, shall also be included.

The external construction of the high pressure, breathing air fill station shall be appliance-like. All structural fasteners shall be concealed and all access panels shall include concealed hinges and push button latches. Full length access doors shall be located on each side of the appliance allowing access to all components for maintenance.

The fill control panel shall be ergonomically designed and feature graphic design technology to group all control components and indicators logically and by function. For maximum clarity and visibility, colored lines shall isolate each control component group. Each group shall then be located within a graphic flow control schematic background and identified with permanent text integral to the panel surfaces. High visibility colored text shall identify and provide operator instructions for all critical functions.

The fill station must allow the fill process to be accomplished from the front. The fill station shall be of a design that does not require the operator to have to hold up or otherwise support the weight of the cylinders being filled while connecting them to the fill whips. The front loading door shall be designed so that, when opened, sleeves that hold the SCBA/SCUBA cylinders tilt forward to ease loading and minimize operator fatigue. Four (4) fill whips, each fitted with a cylinder fill adapter and shut-off valve, shall be located within the enclosure.

Access Door Control: For maximum operator comfort and ease of use, the fill station access doors shall include air actuator handles designed to provide power assisted, effortless operation when opening and closing. When fully closed, the doors shall trip a safety interlock allowing air flow to the fill station. The access doors shall be supported on the enclosure frame with adjustable bearing bushings on each side assuring a balanced and smooth rotation when opening and closing. A damper strut shall secure the assembly to the enclosure so that it does not require operator support and to cushion the access door landing when opened.

The access door design must be fail-safe, permitting manual operation in the event of air pressure loss in the power assist circuit.

Integrated Dual Fill Station Design: This unique and versatile design allows the operator to fill two (2) SCBA cylinders, while unloading/loading two (2) additional cylinders in the adjacent integrated fill station. This maximizes efficiency by eliminating any downtime between SCBA fill sequences. All four SCBA cylinders can be filled simultaneously

## **II. High Pressure Air Storage**

The breathing air storage system with ASME cylinders and high pressure hose shall be provided by the Aurora FD. We will connect the cascade system to the air control panel on the fill enclosure.

## **III. Air Flow Controls**

All air flow components and indicators shall be mounted on a control panel located at the front of the unit grouped logically with each group positioned within a graphic flow control schematic and identified with integral text. The panel background color shall be matte black shade with a textured finish to eliminate glare. Panel component and indicator groups shall be offset by colored lines to enhance operational visibility and safety.

For maximum clarity and safety, the flow control panel shall be divided by function, assuring that the regulated SCBA/SCUBA fill controls are located in a dedicated area apart from air storage management, cascade and air reel control components.

In order to minimize operator handling of pressurized components, a fill hose(s) pressure vent valve shall be located on the air flow control panel to relieve all fill hoses of pressure after opening the front loading door and before disconnection from the SCBA/SCUBA cylinder(s).

The SCBA/SCUBA cylinder fill control system shall include a regulated panel with all the components, devices and piping arrangement necessary to direct supplied compressed high pressure breathing air to the air storage system and the SCBA/SCUBA cylinders being filled. Additionally, a regulated auxiliary outlet to fill remote air storage systems shall be provided.

All high pressure regulators must be designed so that they cannot be accidentally reset in accordance with NFPA 1901, 2009 Edition specifications. The regulator knob shall be of the “push-to-reset” design that spins freely if accidentally moved.

- A cascade control system shall be included for the number of banks specified below to permit filling or drawing down each air storage cylinder independently of each other and while filling SCBA/SCUBA cylinders. The system shall include a by-pass valve to permit filling SCBA/SCUBA cylinders directly from the compressor.
- The fill station shall include an integral, retractable air reel with 50’ of hose and CGA fitting for filling remote air storage systems.

As a minimum, the air control panel must include the following:

- Inlet pressure gauge.
- Adjustable, 0-6000 PSI self-relieving regulator.
- Regulated outlet pressure gauge.
- Storage fill /by-pass valve.
- Two SCBA/SCUBA cylinder(s) fill control valves.
- Two SCBA/SCUBA cylinder(s) fill pressure gauges.
- Two SCBA/SCUBA cylinder(s) panel mounted fill hose(s) vent valves.
- Auxiliary outlet with flow control valve and CGA fitting.
- Four (4) bank cascade control with “**To**” and “**FROM**” valves and gauge per bank.
- AirReel fill valve and gauge mounted on a panel above the air reel hose outlet.

#### **IV. Freight, Delivery and Installation**

The price of the system shall include all freight, delivery, installation, startup and training of the designated personnel on the operation and general maintenance of the system for three consecutive days at the time of compressor installation. SCBAS Inc will connect fill enclosure air control panel to existing cascade cylinders and hoses.



# SAFESTATION<sup>X4C</sup>

## Containment Fill Station

Standard & Optional Features

Four (4) Cylinder Simultaneous Filling Capacity Allows for Filling up to Four (4) SCBA Cylinders. Two (2) Positions capable of SCUBA Fills

Operation Simplified through the use of Graphic Technology that Groups all the Control and Air Flow Components used in the SCBA/SCUBA Filling Process

Optional 50 Foot Spring Rewind Breathing Air Hose Reel with Dedicated Air Control Panel & Deployable Guide Rollers

Appliance Cabinet Finish

*AirLock* Access Door, Click Door Handle Down to open, Click Door Handle Up to Close

Dual Wall Containment Fill Door is Trapped Behind the Frame when Closed

Containment Testing in Accordance to NFPA 1901 2009 Edition with Third-Party Certification by UL®

Illuminated Non-Glare Air Control Panel(s)

Optional Cascade Panel

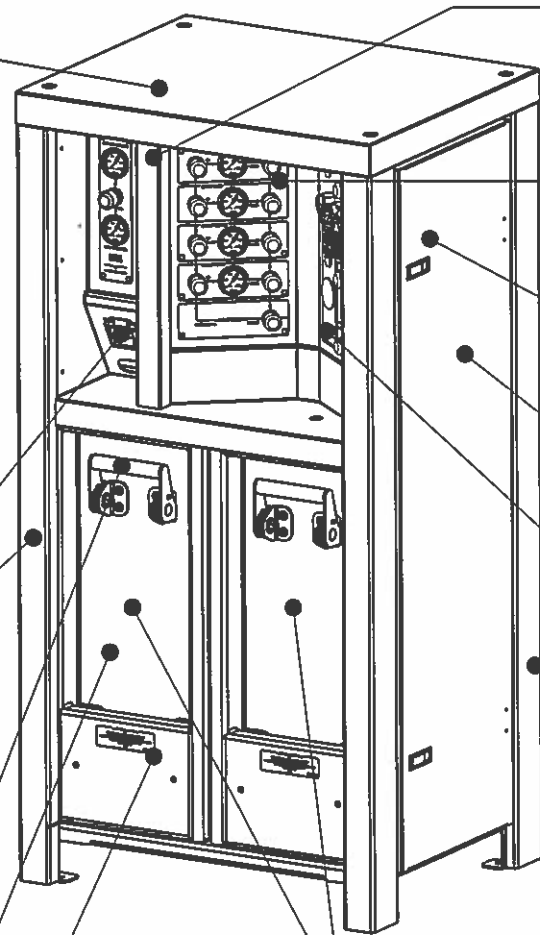
Full Size Access Doors Both Sides

Optional Dual Regulator Access

Regulated Fill Panel with Auxiliary Fill Outlet

Optional Integral Air Storage Rack for 3 ISO or ASME Cylinders [Optional Extension Rack for Up to 6 Cylinders]

Versatile Design Allows the Operator to Fill Two (2) SCBA's While Unloading/Loading Two (2) Additional Cylinders in the Adjacent Fill Station. This Maximizes Efficiency by Eliminating any Downtime Between SCBA Fill Sequences



MODEL SHOWN: 55X4CC4R with ACC-X4C-HR50SR







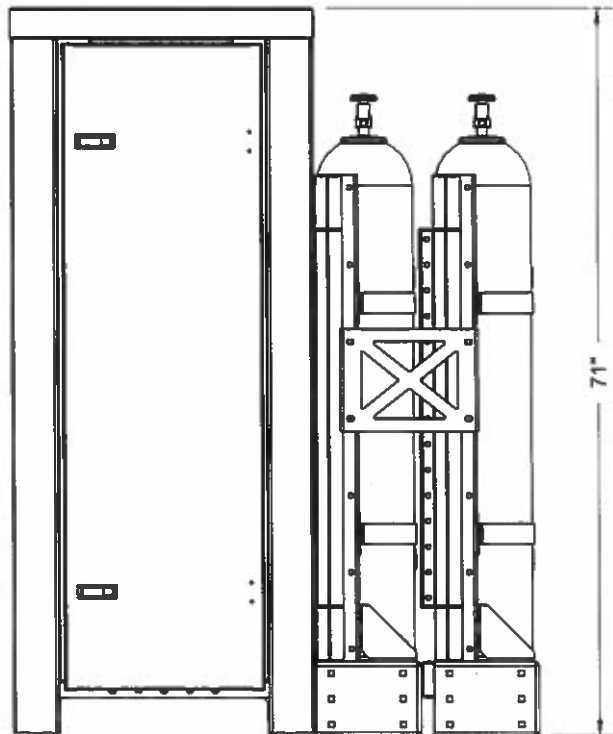
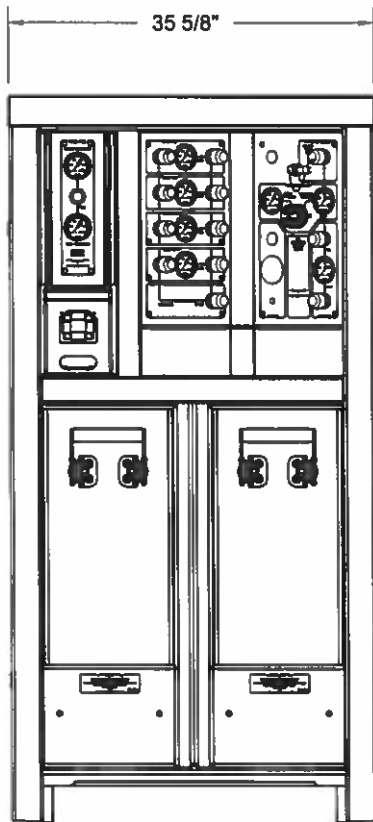
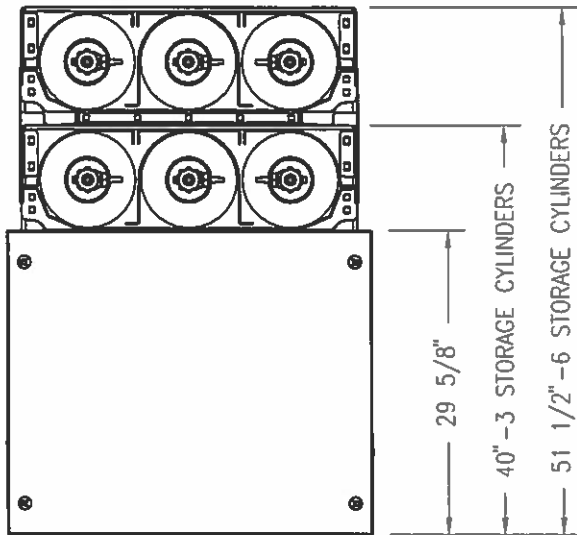
Effective Date: May 10 of 2010

Eagle Compressors, Inc.

# SAFESTATION<sup>X4C</sup>

## Containment Fill Station

*Dimensional Specifications*



MODEL SHOWN: SSX4CC4R with ACC-X4C-HR50SR

3003 THURSTON AVE. GREENSBORO, NC 27406 PHONE (336) 398-8000 FAX (336) 398-8001  
[www.eaglecompressors.com](http://www.eaglecompressors.com)



# Certificate of Compliance

Certificate Number 20100603-AU5138  
Report Reference AU5138-20090112  
Issue Date 2010 June 3

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**Issued to:** Eagle Compressors Inc.

3003 Thurston Ave.  
Greensboro, NC 27406-4516

*This is to certify that  
representative samples of*

## SCBA & SCUBA Air Cylinder Refill Stations

Models: SideWinder (Part # SWX2@@@) SCBA ONLY  
SafeStation - Two Position (Part # SSX2@@@, MSSX2@@, RS@@@@@)  
SafeStation - Three Position (Part # SSX3@@@, MSSX3@@, B3@@@@@)  
Centurion SafeStation (Part # CSSX2@@, SSX2C@@, SSX4C@@, BH@@, RV@@)

*Have been investigated by Underwriters Laboratories Inc.<sup>®</sup> (UL) or any authorized licensee of UL in accordance with the Standard(s) indicated on this Certificate.*

**Standard(s) for Safety:** NFPA 1901-2009 Edition, Standard for Automotive Fire Apparatus

**Additional Information:** @ - In Part # may be replaced with any alphanumeric combination per the manufacturer to specify particular accessories. Total number of characters for part number may vary.

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle symbol:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and, the product category name (product identity) as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product

Issued by:

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