

August 6, 2019

To Whom It May Concern:

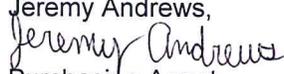
The City of LaGrange will receive sealed bids until 2 P.M. EST, FRIDAY, SEPTEMBER 6, 2019 in the Office of Purchasing, Third Floor, City Hall, 200 Ridley Avenue, LaGrange, Georgia 30240 for the purchase of one new FIRE APPARATUS in accordance with the following conditions and specifications.

GENERAL CONDITIONS:

1. All bids shall be exclusive of sales and excise tax.
2. Bidder shall complete bid proposal and exceptions response section and submit detailed specifications for item being bid upon. Any/all exceptions to specifications provided herein must be clearly stated as such in the "Bidder's Response" column and the bidder shall be prepared to prove/demonstrate the quality of alternate items and exceptions to the satisfaction of City personnel.
3. All bids shall be held valid for at least sixty (60) days after the opening date.
4. All bids shall include prepaid delivery to LaGrange, Georgia, warranty, owner's Manual, and all other necessary credentials AS REQUESTED HEREIN.
5. The City of LaGrange will expect the manufacturer to have an adequate stock of replacement parts available to service City equipment and to make delivery within a reasonable time of all normal replacement parts to their vendor who may service the equipment.
6. The City of LaGrange reserves the right to accept or reject any and/or all bids and to accept the bid which City personnel considers the most advantageous to the City. The City further reserves the right to waive informalities and minor irregularities in all bids received and/or the bidding process.
7. A mandatory Pre-Proposal meeting will be held at 2 P.M. EST, AUGUST 23, 2019 AT CITY HALL, 200 RIDLEY AVENUE, LAGRANGE, GA 30240. ALL INTERESTED BIDDERS ARE REQUIRED TO ATTEND.

Questions concerning these conditions and specifications should be addressed to me at jmandrews@lagrangega.org. To avoid being inadvertently opened by City personnel all bids should be clearly marked "BID OPENING, FIRE APPARATUS, 2 P.M. EST, FRIDAY, SEPTEMBER 6, 2019" on the front.

Sincerely,

Jeremy Andrews,

Purchasing Agent

Request for Proposal

LaGrange Fire Department Pumping Apparatus

This list is not meant to be exclusive but are things we have discussed and deem necessary for our engine. Other necessary equipment should not be excluded.

Testing and Compliance This Vehicle shall conform to NFPA 1901's most recent edition and all other applicable laws and standards.

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Single Source Manufacture of the entire Cab, Chassis, and Body.

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Drive train/Power train/Chassis BIDDER RESPONSE

Engine 400 Hp Cummings ISL Turbo Diesel

EVS 3,000 Allison Transmission with retarder

Meritor Front Disc/Rear Drum brakes or equal

Meritor FL-941 18,000 lb Min Axles or Equivalent

Meritor RS-25-160 24,000 lb rear axles (Or approved equivalent)

Aluminum Wheels with 4 Michelin Goodyear or Firestone appropriately sized tires

Valve extensions for the rear tires

Optional Electronic Stability Control(List Price)

Upgraded suspension options (List Price)

Jacobs engine compression brake

Braided Fuel Lines

Front Bumper 18-20" extension with a pre connected 100' 1 3/4". Plumbing to be inside the tray. A lid shall be provided.

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Cab

A Mid-level chassis shall be offered. (List Price options)

Medium Height Raised 10" Medium

Medium Length Cab

Roll up Windows

Door panel map book holders for front doors

Door mounted mirrors

Center console map book/storage organizer

EMS Cabinet on rear wall between the Jump seats w/ ROM roll up locking door key to match cab

Officer side dash notched for slide out with Tough book Mount (Havis Brand Model #)

Officer Side: 2) USB Outlets, 1)12v outlet, and 1)12v/110 power inverter for laptop

Bostrom Brand Secureall seats-If not available an approved comparable seat can be used.

BA mount in officer seat.

Air ride driver seat

Rear facing BA Seats with mounts

Fold Up Jump Seats on rear wall

Seating Capacity 6

Red Covered Kussmaul Auto eject receptacle with Kussmaul battery charger with inlet to be located over Driver side front wheel color match to body (RED)

AM/FM/CD/Weatherband radio and speakers

Universal 800mhz radio antenna with coaxial prewired to dash

2) Airhorns with switch hand pull between driver and officer side and push button on driver side pump panel.

4) Stream lights lite box series lanterns 12v LED with wired charging port

Q2b Siren w/ brake mounted in front bumper; foot switch on driver side hand switch on officer side.

Whelen Siren with Microphone and speaker in the front bumper.

4) cup holders (Driver Seat, Officer Seat, 2 Rear)

A/C to be provided with A/C shrouds to match cab color

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Body

Rescue Pumper Style Body construction

Compartments to be full height and full depth on both sides

3/16 Extruded Aluminum

Full depth Full height Compartments *W/ Roll up Compartment Doors*

Large Rooftop Compartments (Coffin Type)

Exact compartment layout TBD once bid is awarded:

Provide Shelving allowance to include mounting brackets, a horizontal hinged tool board,
2) vertical pullout tool boards, shelves and various mounting equipment.

Compliant Hose bed cargo netting (or alternate options)

Enclosed Ladder Storage, Ladders as low as possible (24' Extension, 14' Roof, 10' Attic)

Pike pole tubes shall be provided in ladder shoot to accommodate a 6', 8', 10' pike pole, and 6' GA Hook (AKA Closet hook)

Hose bed to be as low as possible capable of holding 1200-1500' of 5", a pre-connected

(Pump) Waterous 1500 GPM Single Stage

Direct Injection Foam System plumbed to Multiple preconnect discharges

Minimum 500 GPM Water Tank

Minimum 30 gallon Foam Tank

Pump Panel Tags and levers color coded per NFPA

Push button primer (Trident if available)

Pump throttle to be Fire Research PumpBoss or Class 1 TPG Pressure Governor to include Preset options, Oil, water, volt and Tachometer

300'-2 1/2", and a pre-connected 300'-1 3/4" hand lines, 300' of dry 3" : 3 total dividers which gives 4 spaces: rear pre connects to be at front of hosebed

Speedy Oil Dry Hopper in front coffin Compartment

Pre-connected Cross-Lays (2) 200'-1 3/4" and a 200'-2 1/2" Configured in front of Pump module as low as possible.

Pump Panel Discharges: 2) 2.5" @ Driver Side Discharge, 1) 2.5" @ Passenger Side Discharge, 1) 3" NST to 5" LDH storz w/ cap @ Passenger side Discharge

Intakes: 2) 2.5" Intake 1 @ ea side panel, Piston Intake Valve located Driver side To Be Task Force #AB1ST-NT W/ CAP

Task Force Hurricane RC Monitor with extendable plumbing: XF1H-E11A: XGA38PL-RL: XGA-RP Wired remote for ground operations, remote to be located in L1 Compartment

1" Booster Reel (Location to be determined at preconstruction)

6-8KW Smart power Top mount Hydraulic Generator with power switch ability inside cab

All receptacles standard household plug

200' Electric Cord Min 10/2 gauge with reel and detachable multi-port junction box and mount

Rear Body Striping to be Fluorescent Yellow and Red

Stokes Basket and Backboard Compartment

SCBA Bottle Storage for 6 slots (4 SCBA Cyl and 1 20lb ext, 1 water can ext)

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Paint

Black on Red (See Attached Graphics Package and paint codes)

GRAPHICS PACKAGE

Graphics Package for LaGrange Fire Department Pumping Apparatus

LETTERING

(50) 3" 22KT Gold laminate goldleaf letters, with left hand shading and right hand outline, shall be provided.

(68) 2" 22KT Gold laminate goldleaf letters, with left hand shading and right hand outline, shall be provided

(4) 5" 22KT Gold laminate goldleaf letters, with left hand shading and right hand outline, shall be provided

Front Cowl Centered: **LAGRANGE** (3" Letters)

Driver Door: LFD Logo (New Patch)

Side Cab or Rear Door: **ENGINE** (3" Letters) or

5 (5" Number)

Side of Body: EMS Star of life
ALS

Rear Compartment on each side: **EMERGENCY**
DIAL 911 (3" Letters)

www.lagrangega.org (2" Letters)



@LaGrangeFireDept (2" Letters)

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

STRIPING

A Black 1-6-1 reflective Scotchlite stripe shall be provided across the front of the cab and along each side of the apparatus. It shall have a "z" or off set on rear body.

A 3/4" gold leaf stripe shall be used to break up the red and black

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

STRIPING, CHEVRON STYLE, REAR BODY, OUTBOARD

The apparatus shall have 6" red and fluorescent yellow reflective Diamond Grade Chevron style striping affixed to the outboard right and left portion of the rear body. The striping shall be set in a manner to have the effect of an inverted "V" shape. The stripe shall travel low to high from the outside to the inside.

GRAPHICS PACKAGE

Front Door Logo (Approximately 12-14" Letters 22KT Gold laminate goldleaf letters, with left hand shading and right hand outline)



or New Patch

EMS Star of Life



BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Rescue Body Side

(36) 6-8" or appropriately sized to fit, 22KT Gold laminated goldleaf letters, with left hand shading and right hand outline to equal 6-5/8" letter, shall be provided on each side of the body. It shall state **LAGRANGE FIRE RESCUE**.

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

MISCELLANEOUS EQUIPMENT FURNISHED

1 pt. touch-up paint

Stokes Basket w/ no leg divider shall be provided as to ensure proper fit into compartment

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Lights

Whelen Pioneer 12 v LED Brow Lights with switch in cab at driver

Scene Lights Whelen M9 2 on cab, 2 on Rear and 2 on Body with 2 switches in cab

Wheelin M9 Upper warning lights 6) on body 2 on each side and 2 in rear

LED Step lights at each passenger doors

Turn Signals Wheelen 600

4 Red/White Interior Cab lights

IC 10 LED SL series/Whelen PSTank water tank level gauge mounted on the upper rear of cab on each side

Whelen Freedom 72" Lightbar With 8 LED Beacons

ROTO REY on Front Cowl 2 white lights 1 red All LED

Whelen 600 Series Super LED lower light package

2 LED Strip lighting in each compartment: each side

Tag bracket with LED Light

LED Ground Light Package

Step Lights LED

Hose Bed LED Light(s) in front of hosebed

Pump Panel LED Lights on each side

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

Other:

Scott 3M HushAir see attached for bid specification On board Compressor/
Cascade SCBA/SCUBA refilling station

Travel and Inspection: Include 2 Trips for 3 people

BIDDER HAS MET THE ABOVE SECTION 100% YES _____ NO _____

BID PROPOSAL SHEET - Statement of Minimum Qualifications

MINIMUM QUALIFICATIONS: *Manufacturer's must have a minimum of 10 years of experience, and must be licensed in the state where factory is located. Also, a minimum of twenty five (25) units must have been built, sold and delivered in the past 2 years (December 2011 through*

PROPOSAL SHEET - Statement of Minimum Qualifications

MINIMUM QUALIFICATIONS: *Manufacturer's must have a minimum of 10 years of experience, and must be licensed in the state where factory is located. Also, a minimum of twenty five (25) units must have been built, sold and delivered in the past 2 years (December 2011 through December 2013).*

1. **Experience:** Does the supplier have a minimum of 10 years' experience?

Yes: _____ No: _____ Number of years in business? _____

2. **Licensing:** Does the supplier have the required licenses for the State where the factory is located?

Yes: ___ No: _____ Name of State: _____

3. **References:** PLEASE PROVIDE THE DEPARTMENT NAME, CITY/STATE, DATE OF PURCHASE, POINT OF CONTACT AND PHONE NUMBER OF 5 AGENCIES WHO HAVE PURCHASED AND CURRENTLY HAVE IN SERVICE THE SAME MODEL APPARATUS WHICH YOU ARE PROPOSING (attach Reference sheet) Yes ___ No ___

- | | YES | NO |
|--|-----|----|
| 1. The unit offered is manufactured entirely in the United States. | () | () |
| 2. The apparatus offered is not a prototype; and there are at least fifteen (15) apparatus of similar design in service in the Southeast? | () | () |
| 3. The capacity and performance tests shall be satisfactorily performed in compliance with the information contained in this package? | () | () |
| 4. The manufacturer fabricates and assembles the fire apparatus chassis, body, and aerial ladder and installs it entirely in the same factory complex? | () | () |
| 5. Is the 10% Bid Bond attached? | () | () |
| 6. Does the Bidder comply with Purchaser's specifications without exception? If no, list exceptions on page 87 attached. | () | () |
| 7. Are all requested engineering diagrams and drawings included with the proposal? | () | () |
| 8. Does the manufacturer maintain or provide access to an established Service Center and Parts Depot? | () | () |
| 9. Are all specified warranties included with the proposal? | () | () |

10. Are all proposed warranties in compliance with the specifications? () ()

YES NO

11. Will the below warranties be honored. () ()
Life-time warranty on the frame.
Seven (7) year warranty on paint.
Ten (10) year body structural warranty
Ten (10) year cab structural warranty
Two (2) year aerial mechanical warranty
Twenty (20) year aerial structural warranty
Manufacturers Warranties for all major components.

12. Is the proposed apparatus and equipment new in all respects? () ()

13. Have you included a copy of your own detailed Bidder's specifications? () ()

14. Does weight distribution comply with the recommendations of the NFPA? () ()

15. Name and location of your maintenance and repair facility or alternatives.

16. **Single Contact:** It is the Purchaser's desire to have a single contact for all adjustments or warranty repairs to all areas of the apparatus.

Name: _____

Address: _____

Phone: _____ FAX _____ E-Mail: _____

YES NO

17. Does the apparatus comply with the applicable requirements of the Federal Motor Vehicle Safety Standards? () ()

18. Will the apparatus have a certified GVWR sticker? () ()

19. Does the manufacturer meet all specified criteria and code conformances? () ()

20. Delivery of the apparatus shall take place within _____ calendar days after award date. Note that the award date precedes the contract signature. The City shall utilize the award date to calculate delivery date.

21. State the dimensions and weight of your proposed apparatus?

a. Overall Height: _____

b. Overall Length: _____

c. Overall Width: _____

d. Wheelbase: _____

e. G.V.W.R. _____
f. Angle of departure: _____
g. Angle of approach: _____

22. HAVE YOU PROVIDED A COPY OF THIRD PARTY CERTIFICATION OF THE MODEL APPARATUS PROPOSED? YES NO
() ()

23. Is the local representative of the manufacturer full-time? () ()
Name: _____
Address: _____
Phone: FAX: _____
E-Mail: _____

24. Is the above listed representative a direct employee of the manufacturer or an independent contractor/dealer representative only? **Circle one.**

25. Will you provide a copy of the Aerial Truck Performance Data Form? () ()

26. Will you provide a written Statement of Load Certification? () ()

Having carefully examined the documents of the Bid, the instructions, the General Terms and Conditions, the Special Provisions, any Warranty Requirements and Specifications provided, and all related documents, the undersigned proposes to perform all work in strict compliance with the above-named documents, as well as in compliance with any submitted Bid information, for the amount set forth below.

For the purchase of one (1) Fire Apparatus including all Equipment specified herein:

TOTAL LUMP SUM BID \$ _____

Specify **Prompt pay discount** or any other offers of savings for the City. _____

Specify financing/lease purchase options _____

Specify chassis **pre-payment discounts**, if available: _____

Delivery of the apparatus shall be within _____ calendar days after the award date.

FIRM NAME: FID #: _____

FIRM ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____ FAX #: _____

E-MAIL ADDRESS: _____

3M Scott

Bid Specifications

Fire & Safety

3M Scott HushAir

The system shall be designed to tie into the air storage/charge station module. This document describes the minimum requirements for a complete Breathing Air System. The system shall be modular and capable of being supplied as one (COMPLETELY INTEGRATED) or for versatility; two or three modules as specified herein. The ability to separate the compressor module from the charge station is for operator safety and noise reduction.

Warranty

The equipment supplied shall be guaranteed to be new, of current design, and free of all defects in material and workmanship for a period of three years, based on prescribed service and maintenance.

Air Compressor Assembly

The assembly shall incorporate four stages. It shall be a reciprocating air-cooled compressor with relief valves and heat exchanger after each stage of compression. The compressor shall be a combination of, double-acting and single acting cylinder/piston design with three connecting rods. The cooling air shall be supplied from a fan assembly mounted on the flywheel that delivers not less than 6000 cubic feet of cooling air per minute.

Lubrication shall be accomplished by means of a differential pressure/controlled splash system. External pressure, (force-feed) oil pump providing oil spray into the fourth stage for lubrication is not acceptable.

Performance Specification (15hp)

31.7 Piston Displacement SCFM
17.8 ACFM @ 6000 PSI (FAD)
21.5 SCFM Charging Rate (Formula from 0 PSI to 6000 PSI)
25.5 SCFM Charging Rate (Formula from 500
PSI to 3000 PSI) 6000 PSI Maximum Duty
15HP Electric Motor -
208/230/460 volts 3 phase 880
RPS Maximum Compressor
Speed

Performance Specification (20hp)

35.8 Piston Displacement SCFM
20.5 ACFM @ 6000 PSI
25.5 SCFM Charging Rate (Formula from 0
PSI to 6000 PSI) 29.5 SCFM Charging Rate
(Formula from 500 PSI to 3000 PSI) 6000 PSI
Minimum Continuous Duty
20 HP Electric Motor -
208/230/460 volts 3 phase 930
RPM Compressor Speed
Maximum

Compressor Features

Frame - The 100% cast iron designed to support the overhung crankshaft. Cylinders bolt directly to the cast iron frame. Frame is completely sealed yet allows for maximum accessibility. Crankshaft - A unique overhung design supported by two heavy duty ball bearings with replaceable crank-pin bearing. Entire shaft is balanced with an integral counterweight to insure smooth trouble free operation.

- *Frame* - The 100% cast iron designed to support the overhung crankshaft. Cylinders bolt directly to the cast iron frame. Frame is completely sealed yet allows for maximum accessibility.
- *Crankshaft* - A unique overhung design supported by two heavy duty ball bearings with replaceable crank-pin bearing. Entire shaft is balanced with an integral counterweight to insure smooth trouble free operation.
- *Connecting Rods* - Crank pin bearing inside the rod is precision ground requiring no alignment.
- *Cylinders* - These are 100% cast iron, separately cast and individually bolted to the frame. The cylinders are precision honed for low oil carryover. Radial fins on the cylinders help remove heat and ensure 360 degree cooling of the cylinders.
- *Pistons* - The first and second stages utilize a step type double acting piston, while the third stage utilizes a steeple type piston. The fourth stage uses a built-up, steeple type piston.
- *Rings* - The first stage utilizes five compression rings and one oil control ring. The second stage utilizes three compression rings and one oil control ring. The third stage uses four compression rings and one oil scrapper ring. The fourth (final stage) using five compression rings and one oil scrapper ring.
- *Flywheel* - The cast iron fan type flywheel with attached fan forces a "cyclone" air blast the deep finned cylinders, multi- finned intercooler, and finned tube aftercooler. The flywheel is balanced for vibration free operation. The fan is bolted to the flywheel and is available in several sizes to match ambient conditions.
- *Intercoolers* - The intercoolers between stages are of finned tube construction, to provide maximum cooling area. They are located directly in the flywheel air blast, to remove the heat of compression between stages, keeping running temperatures and power loads to a minimum. The inter- coolers are provided with a relief valve to prevent over- pressurization.
- *Intercooler Pressure Gauge* - Pressure gauges are provided to display reading pressure in the intercooler(s). Abnormal pressures indicate when valve maintenance is required, eliminating costly tear down inspections.
- *Lubrication* - Splash lubrication of running parts is simple and reliable. Lubrication dippers are integral with connecting rods and cannot come loose.
- *Inlet Filter* - The filter has a durable carbon steel canister with baked enamel finish. A treated paper dry type) 10- micron inlet filter/silencer is standard.
- *Valves* - The first and second stage shall have concentric ring valves that allow balanced and efficient inlet and discharge airflow. The third and fourth stages shall have concentric ring and plate valves that are of the cartridge type for ease of maintenance. All valves shall be made of premium grade stainless steel. Valve components are easily removable for inspection and maintenance.
- *Unloader* - The unloader automatically bleeds the air from intercoolers and cylinders, providing a loadless start. This protects the motor from overload.
- *Burst Disc Discharge Relief Valve* - The burst disc discharge relief valve, protects the system from any sudden, abnormal pressure surge. A conventional relief valve may not relieve have the capability to "relieve" quickly enough.
- *Low Oil Level Switch* - Low oil level switch prevents the unit from operating when oil is low. Air-cooled Aftercooler - Air-cooled aftercooler lowers discharge air temperature to within 15 degrees F. of ambient temperature.
- *Separator/Drain Traps* - A drain trap is supplied between the second and third stage, third and fourth stage, and at the discharge of the compressor. The accumulated water and oil vapor is automatically removed.
- *Automatic Condensate Drain System* - An automatic condensate drain system automatically drains the condensate traps during operation and when the compressor stops.
- Compressor shall have piston rings on all pistons. The third and fourth stage pistons shall be connected to the guide piston by a concentric retain-er, such that the compression piston is free of thrust loading, and always is in contact with the guide/ drive piston to prevent damage caused by a free floating piston.
- Stainless steel, disc-in plate valves for longer wear.

Purification System (65AL3 for 15hp) (65AL4 for 20hp)

- The purification system shall consist of a mechanical oil/ moisture separator and chemical purification chambers. The chambers shall be designed to conform to the ASME code for Unfired Pressure Vessels.
- Purification chambers shall be constructed in aluminum alloy 6061-T6 as its anti-corrosive properties exceed all other chamber materials.
- Purification system shall process a minimum of 60,000 SCF (15hp) or 84,000 S SCF (20hp) of air per cartridge set. Purified air shall be measured by the actual weight of Molecular Sieve.

- Electronic dew point (DP) detection shall not be used as a means to claim extended chemical cartridge life.
- CO and dew point sensors shall not be installed in the purification chamber. Sensors shall be installed downstream of all chambers so the sampled air is representative of that delivered to the B.A. cylinders.

The purification system shall have the following minimum ratings:

- 6000 PSI working pressure.
- 4 to 1 safety factor.
- 5 to 80 SCF minimum flow capacity.
- 60,000 (15hp) or 84,000 SCF (20hp) standard cubic feet of air purified per chemical cartridge set.

Computerized Control and Monitoring System X4 Controller

All significant functions of the system shall be monitored and controlled by a controller. The operational status will be presented on an annunciator panel. In the event of an out-of-tolerance condition, the controller will alarm and stop the compressor. The status and/or cause will be indicated on the annunciator panel. All accumulated times on all significant time sensitive functions will be recorded and displayed on command. The system shall have the following as a minimum:

Functions / Parameters Monitored and Controlled

Compressor Assembly

Compressor start/stop (stop - advise normal and alarm abnormal condition) Discharge air pressure (stop - advise normal condition) Auto condensate drain control (cycle drain function, advise normal condition) Purge control (on shutdown, advise normal condition)

Purification System

Dew point monitoring/control (stop, alarm and advise abnormal condition) Carbon monoxide monitoring/control (stop, alarm and advise abnormal condition) Auto condensate drain control (advise status-normal condition) "Purge" control (advise status-normal condition)

ACD / COOL DOWN Feature - The system shall have the capability of dumping all mechanical moisture traps every fifteen (15) minutes during compressor operation. Prior to shutdown, manually or automatically, it shall open and unload all moisture drain valves. It shall run for two to five minutes in order to purge the system of all accumulated water and oil vapor. Breathing Air Compressor Systems that operate without a "Cool Down Cycle" will have corrosion build up on the cylinder walls and piston rings, creating high maintenance and shorter life to the compressor.

Housekeeping

Total time on compressor assembly (advise time on command)
 Time since compressor service (re-settable, advise time on command)
 Time since purification cartridge change (re-settable, advise time on command)
 Time on DP monitor cell (re-settable, advise time on command)
 Time on CO monitor cell (re-settable, advise time on command)
 Automatic calibration of DP and CO monitors (advise procedure on command)

Alarms(AUDIO/VISUAL)

High discharge air temperature - with automatic compressor "STOP", "OVERRIDEABLE" with a "MAXIMUM" upper limit, not "OVERRIDEABLE". The upper limit is factory set.
 High discharge air carbon monoxide - with automatic compressor "STOP", "OVERRIDEABLE" with a "MAXIMUM" upper limit of 30 PPM not "OVERRIDEABLE". Used in an emergency to SAVE A LIFE.
 High discharge air moisture (dew point) - with a "WARN" to advise a pending filter (purification

cartridge) change; an "ALARM" with automatic compressor "STOP", "OVERRIDE ABLE" with a "MAX" upper limit factory set at a safe condition. "OVERRIDE" used in an emergency to SAVE A LIFE.

Low oil level and/or pressure - with automatic compressor "STOP" - not "OVERRIDEABLE"

Special Feature and Controls

Prolonged run time control. Will stop the compressor assembly when pre-determined continuous run time has been exceeded. An audio/ visual alarm and word advice is presented on the abnormal condition. "RESET" is required Time limit for "OVERRIDE " operation . Prevents a potential unsafe condition if a system were left in "OVERRIDE " operation. A maximum run time is factory set, preventing prolong operation at a marginal condition. An audio/visual alarm and word advice is presented of the abnormal condition. Time delay for false alarm recognition . Pre-programmed to prevent false alarms from stopping the compressor or initial system setup and on purifier cartridge change. "Emergency Stop" control mounted on the main control panel.

Display

Final Pressure "Storage Full"
(up to 6000 PSI) Discharge Air Temp.
.....Up to 800F
Oil Level/Pressure "GO-NO-GO" alarm
Dew Point LevelUp to 30 °F,
down to minus 100 °F Carbon Monoxide Level
..... 0 to 200 PPM
Timing Functions Hours & Minutes

Demand Control

The compressor will automatically respond to air "demand", keeping the air receivers about 6000 PSI.

Delivery, Installation and Training

The complete system shall be assembled and tested as a complete system at the factory prior to shipment.

The system shall be set up, installed, and checked out at the user's destination by the distributor. The user shall receive training on the operation and maintenance of the system as required by NFPA.