CNG Compressor Replacement Project

Bid No. 2526-03

Addendum No. 1

September 16, 2025

Please note the following additions, corrections, clarifications, and revisions, to the above-referenced Bid. The additions, corrections, clarifications, and revisions are as follows:

CLARIFICATIONS AND ADDITIONAL INFORMATION

Please see the attached reference drawings and specifications for the compressor unit and enclosure. The contractor is responsible for purchasing and installing the unit in its entirety.

Please add the following scope:

1. Remove existing electrical panels serving Compressor Units 1 & 2, salvage intact and store on site for District at the CUSD North Transportation Center.
2. Remove all existing electrical conductors and low-voltage control wiring between the existing ANGI safe-area control panel and Compressor Units 1 & 2.
3. Provide and install new electrical feeders, branch devices, and all necessary control wiring from the new safe-area control panel to the new dual-cabinet compressor unit, install per manufacturer requirements.
4. Utilize the existing disconnect power source to feed the new safe-area control panel and the new dual-cabinet compressor unit, verify capacity and code compliance.
5. Connect the new dual-cabinet compressor suction to the existing gas source line and pipe discharge to the existing dryer/scrubber equipment, perform per manufacturer requirements.
6. Carefully remove existing Compressors 1 & 2, avoiding excessive vibration/shock, return units to the District on site at the CUSD North Transportation Center.
7. Anchor and mount the new safe-area control panel per manufacturer's recommendations, provide appropriate anchors/hardware and comply with manufacturer's installation requirements.
8. Provide LFMC (liquidtight flexible metal conduit) from slab hard pipe to the new dual-cabinet compressor as required; use listed Class I, Div 2 **connectors**/sealing fittings, bond/ground and support per NEC; keep LFMC length minimal and install per manufacturer.

Prebid RFI #1

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	CNG COMPRESSOR REPLACEMENT PROJECT		
PROJECT NUMBER:	Bid No. 2526-03		
Bid TO:	Daniel Clem & Tom Connolly	EMAIL:	Dclem@tealcu.com tjconnolly@capousd.org

DATE:	9-3-2025		
FROM:	Von Regli EFS West INC.	EMAIL:	Von.regli@efswest.com
DOCUMENT/DIVISION NUMBER:	Bid Documents	DRAWING NUMBER:	

REQUESTED CLARIFICATION:
There are no drawings provided. Are we to provide drawings for permitting?
RESPONSE TO CLARIFICATION:
Please refer to Addendum for drawings.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Prebid RFI #2

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	CNG COMPRESSOR REPLACEMENT PROJECT		
PROJECT NUMBER:	Bid No. 2526-03		
Bid TO:	Daniel Clem & Tom Connolly	EMAIL:	Dclem@tealcu.com tjconnolly@capousd.org

DATE:	9-3-2025		
FROM:	Von Regli EFS West INC.	EMAIL:	Von.regli@efswest.com
DOCUMENT/DIVISION NUMBER:	Bid Documents	DRAWING NUMBER:	

REQUESTED CLARIFICATION:

When does the 26 day time line start? The Compressor is out 12 to 22 weeks, Permits are out 6 to 12 months. The AQMD permit if required is over 1 year for approval. DSA approval is also timely.

RESPONSE TO CLARIFICATION:

26 day start time will be upon the receipt of equipment which needs to be ordered immediately after Board award and execution of agreement. This is a replacement project so the District is not going through DSA/City/AQMD as it is a like for like replacement system. The District will self inspect the project. The project will be cconstructed over the summer of 2026.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Prebid RFI #3

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	CNG COMPRESSOR REPLACEMENT PROJECT		
PROJECT NUMBER:	Bid No. 2526-03		
Bid TO:	Daniel Clem & Tom Connolly	EMAIL:	Dclem@tealcu.com tjconnolly@capousd.org

DATE:	9-3-2025		
FROM:	Von Regli EFS West INC.	EMAIL:	Von.regli@efswest.com
DOCUMENT/DIVISION NUMBER:	Bid Documents	DRAWING NUMBER:	

REQUESTED CLARIFICATION:
What is the current design suction pressure for the two ANGI compressors?
RESPONSE TO CLARIFICATION:
Each current compressor's inlet pressure is 5.13 psi.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Prebid RFI #4

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	CNG COMPRESSOR REPLACEMENT PROJECT		
PROJECT NUMBER:	Bid No. 2526-03		
Bid TO:	Daniel Clem & Tom Connolly	EMAIL:	Dclem@tealcu.com tjconnolly@capousd.org

DATE:	9-3-2025		
FROM:	Von Regli EFS West INC.	EMAIL:	Von.regli@efswest.com
DOCUMENT/DIVISION NUMBER:	Bid Documents	DRAWING NUMBER:	

REQUESTED CLARIFICATION:

What is the design pressure for the new compressors? HP?

RESPONSE TO CLARIFICATION:

The spec sheet shows max design pressure at 5,000 psi (we run no higher than 3,600psi) and the H/P is at 50 or 75 (depending on the model).

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

Prebid RFI #5

PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	CNG COMPRESSOR REPLACEMENT PROJECT		
PROJECT NUMBER:	Bid No. 2526-03		
Bid TO:	Daniel Clem & Tom Connolly	EMAIL:	Dclem@tealcu.com tjconnolly@capousd.org

DATE:	9-3-2025		
FROM:	Von Regli EFS West INC.	EMAIL:	Von.regli@efswest.com
DOCUMENT/DIVISION NUMBER:	Bid Documents	DRAWING NUMBER:	

REQUESTED CLARIFICATION:

How long can the site be shut down? Are you requiring rental compressors?

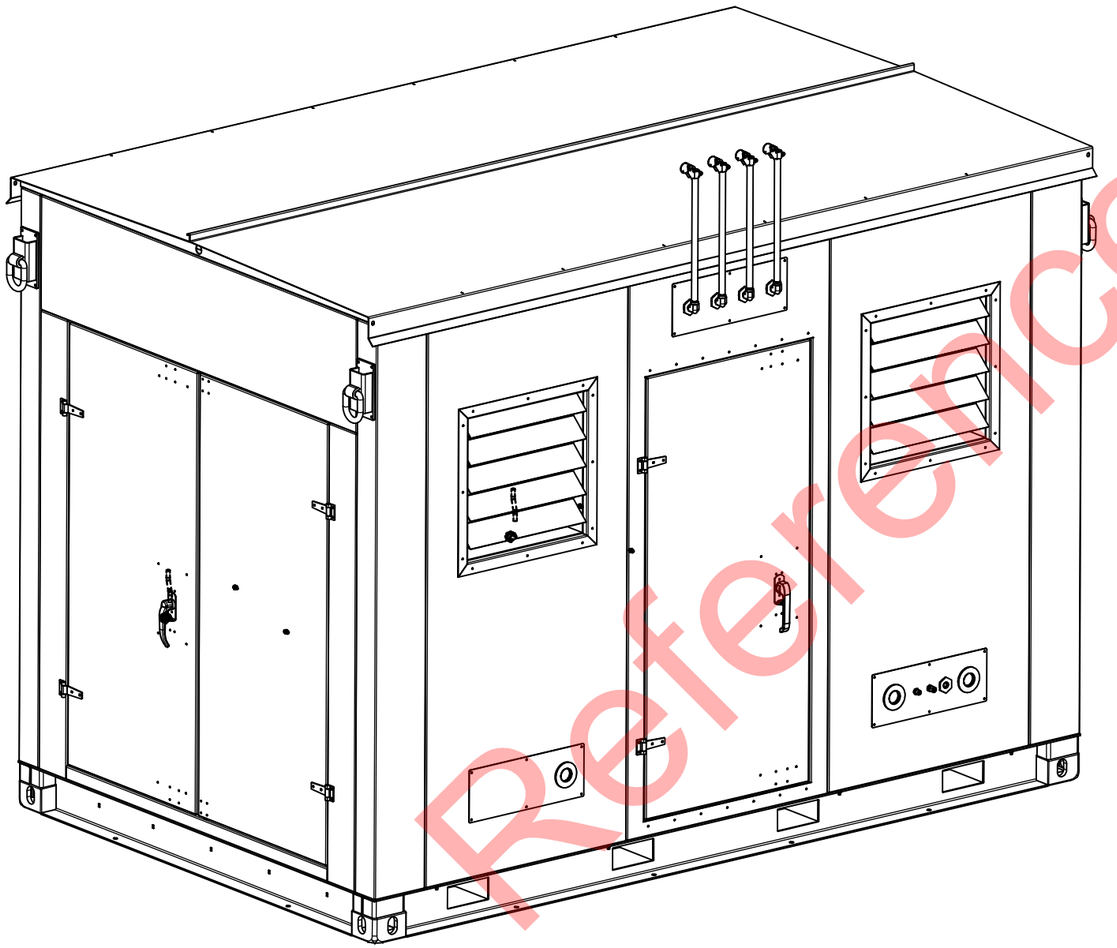
RESPONSE TO CLARIFICATION:

The site needs to only be shut down for the 26 days, rental compressors are not required.

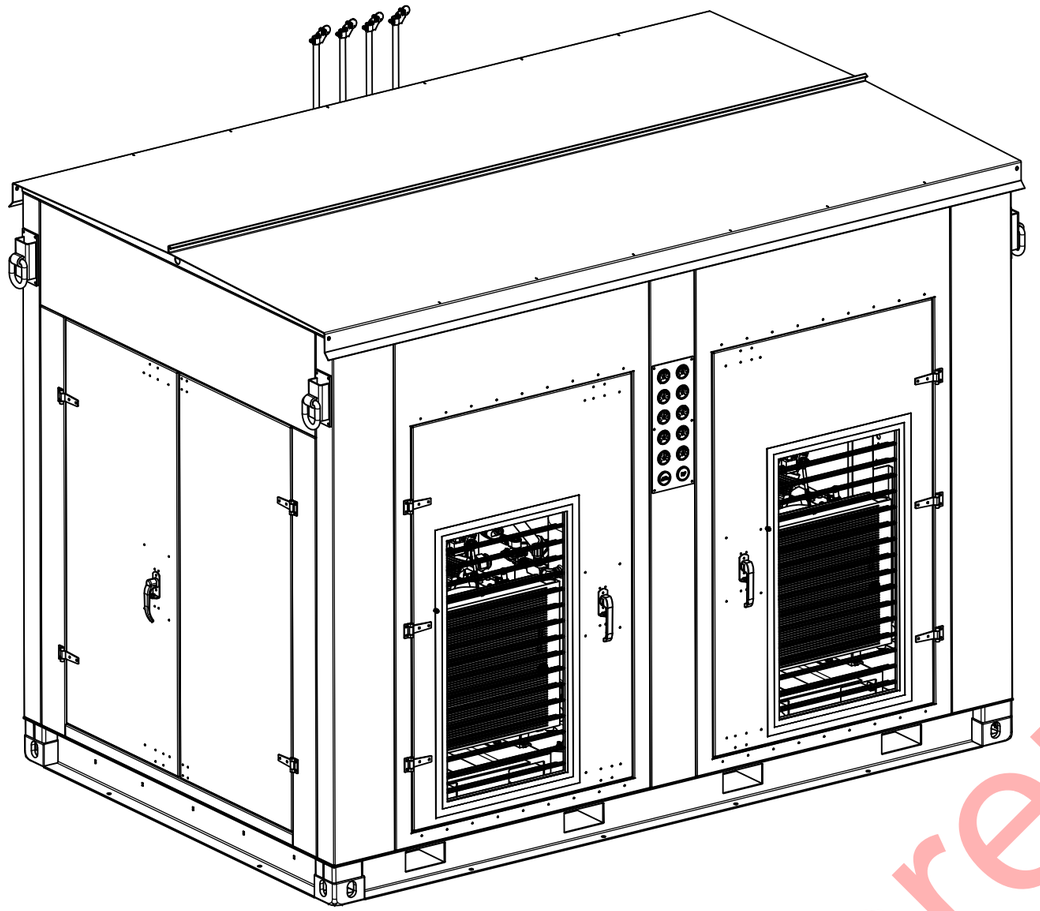
Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

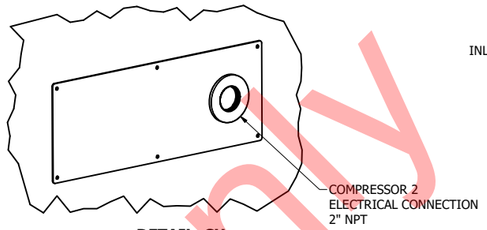
NOTES:

1. BRANDING MAY VARY PER NORTH AMERICAN OFFICE
2. APPROXIMATE WEIGHT: 10,500 LBS
3. REVIEW OIL RECOMMENDATION MANUAL FOR SELECTION REQUIREMENTS
   COMPRESSOR OIL QUANTITY: 4.3 GAL PER COMPRESSOR.
4. CONTROLLER TO BE INSTALLED IN SAFE AREA.



TOLERANCES: ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED		Sauer Compressors USA, 235 Log Canoe Circle, Suite E - Stevensville, MD 21666		
DECIMALS .XX ± 0.01, .XXX ± 0.005	ANGLES ± 2'	TITLE: DUAL WP4351GTCNG COMP PKG, MOTORS 75HP/1800RPM, SAFE AREA CONTROLLERS, BUFFER & EXPANSION TANKS, CLASS 2 FILTRATION.		
	FINISH √25			
MATERIAL: N/A		SIZE D	CAGE CODE 1KWT0	DWG NO 4351-843EB0-313 / REV -
		SCALE NTS	DESIGNER jbaxter	SHEET 1 OF 26





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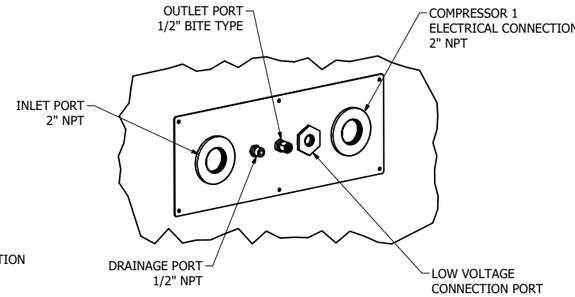
SCALE 1 / 7



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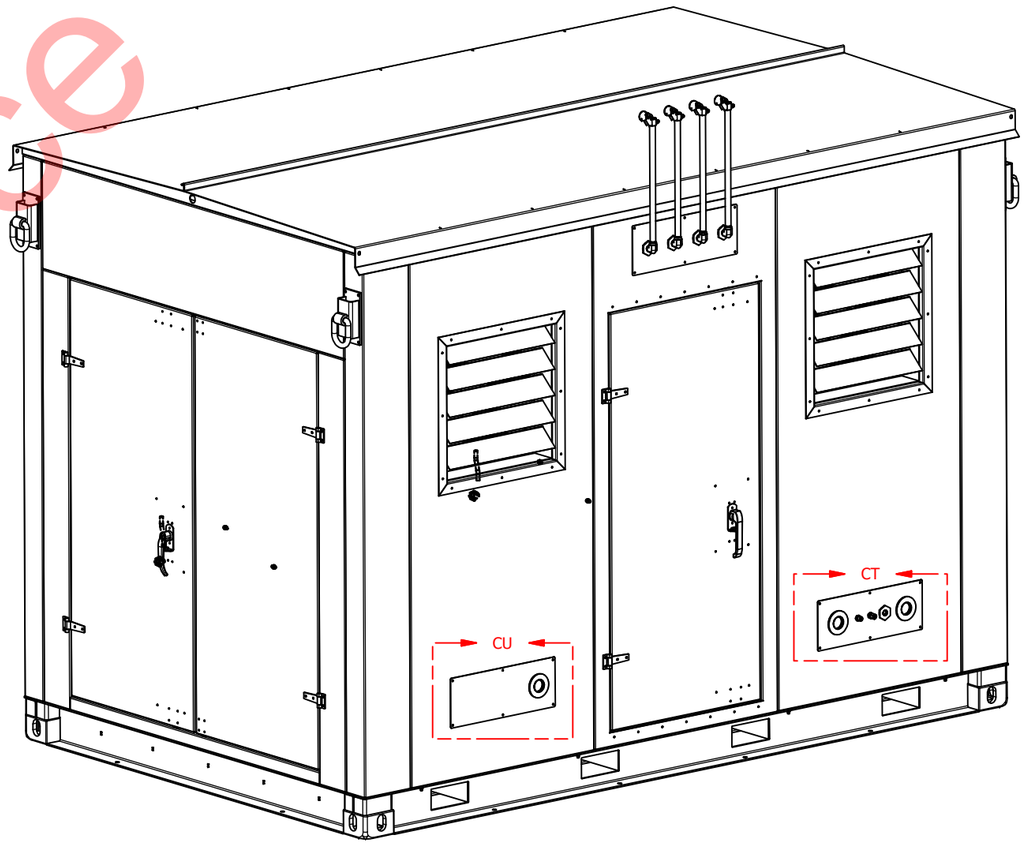

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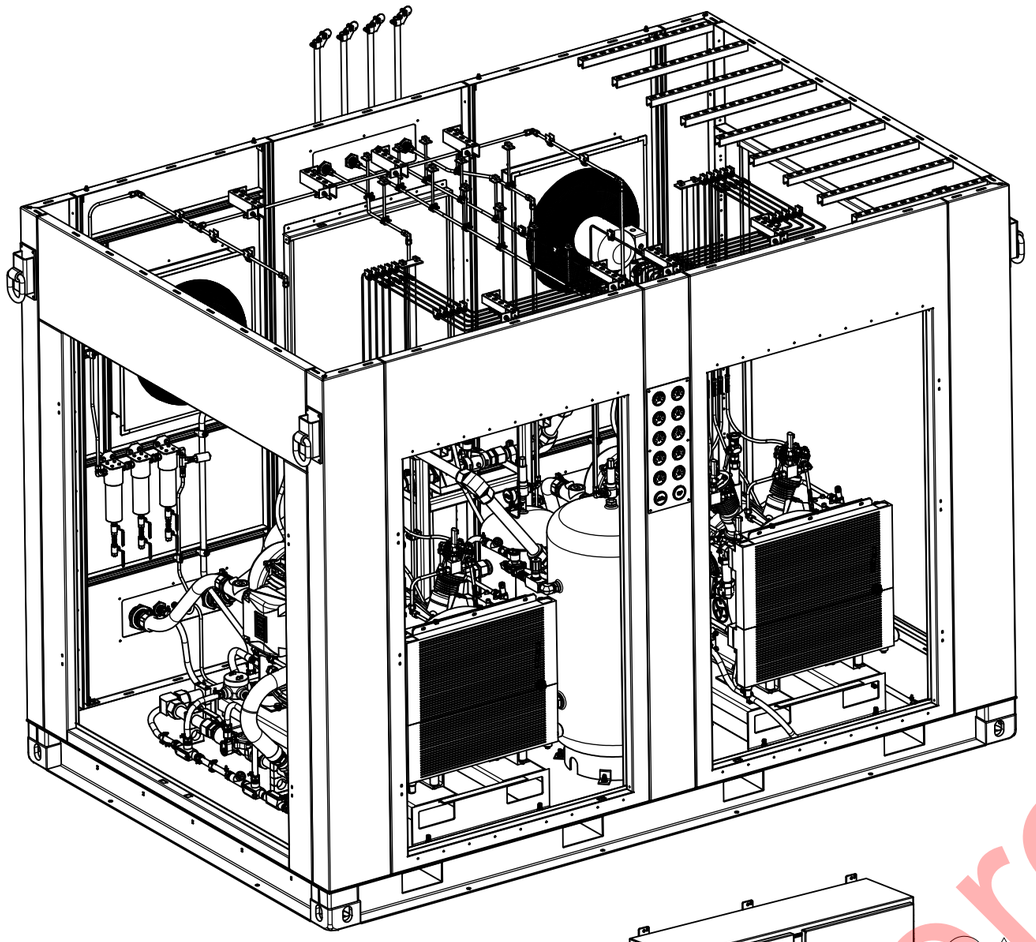
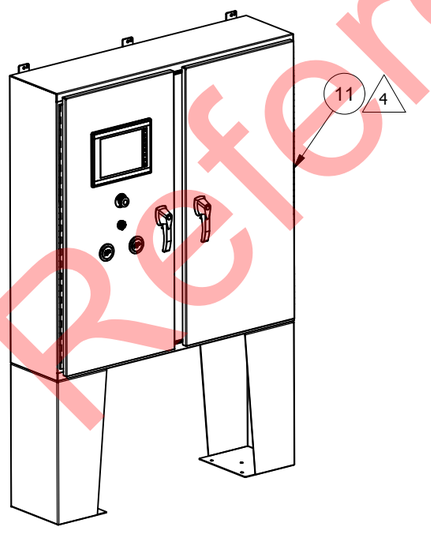
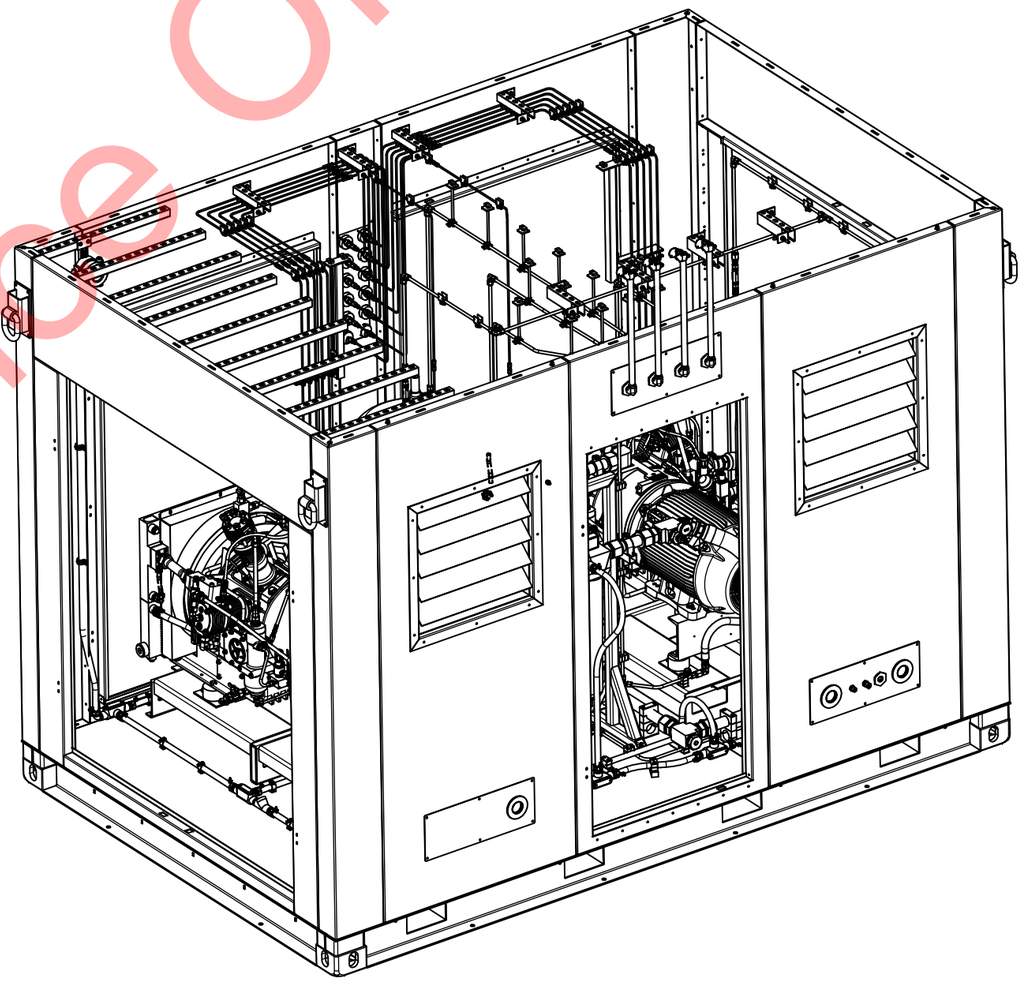
SCALE		SHEET: 2 OF 26	







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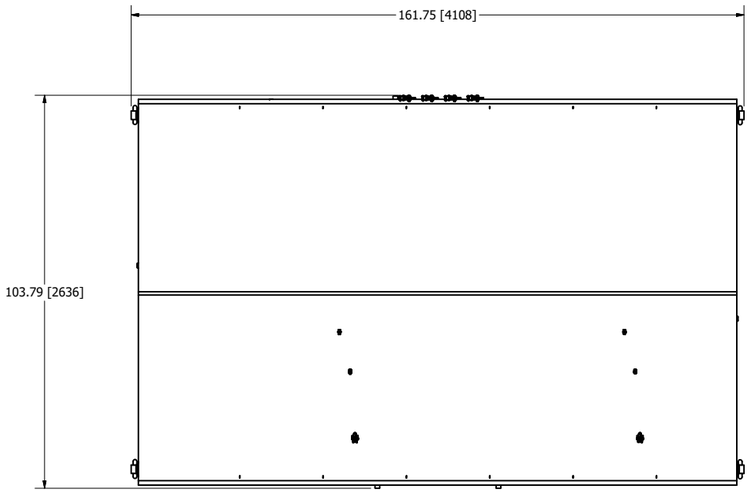
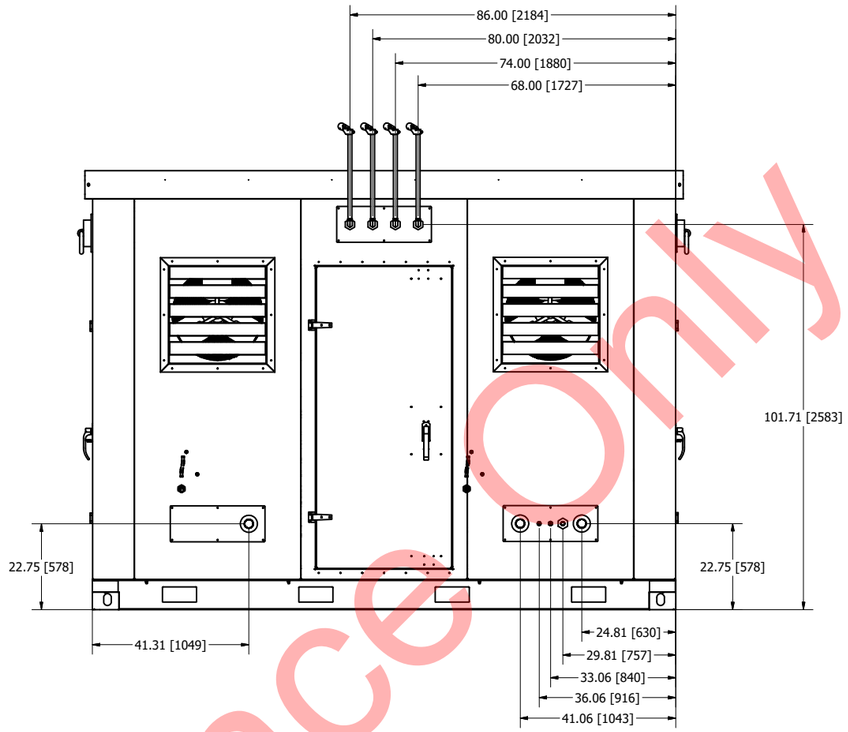
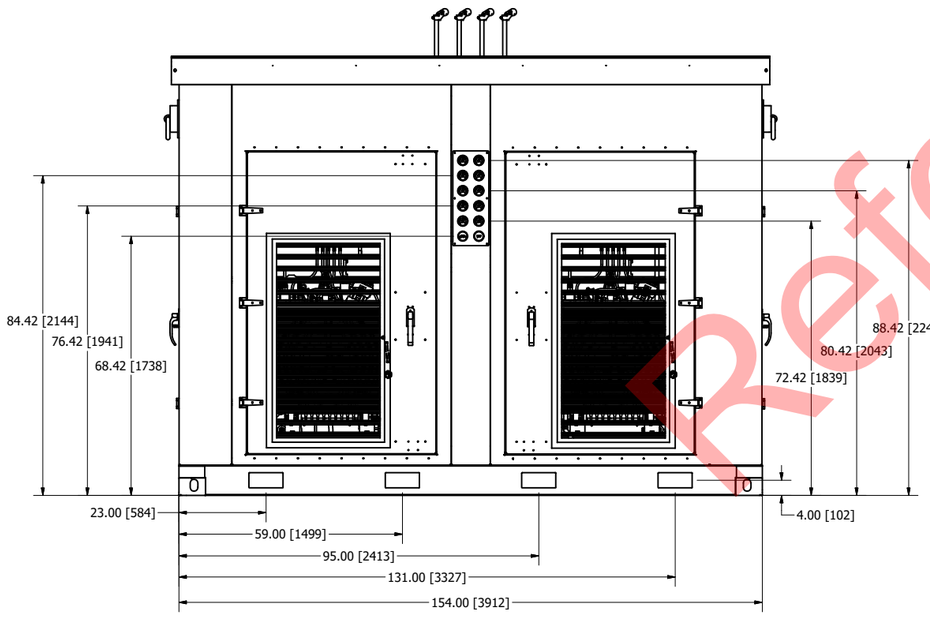
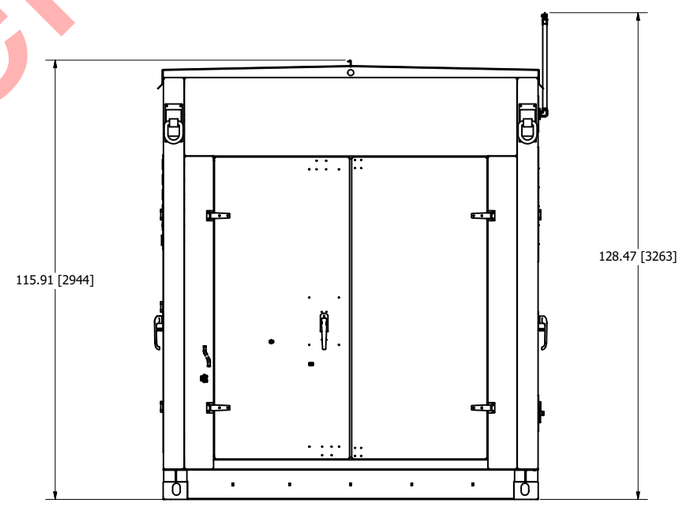








SIZE	CAGE CODE:	DWG NO.	REV
	1KWTO	4351-843EB0-313	-
SCALE		SHEET: 4 OF 26	

Quotation - CQ250984

Regional Sales Manager	Direct Line	Main Office	Email
David Jens	(619) 990-3592	(410) 604-3142	djens@sauerusa.com

Qty	Product Description
1	Option #2: Hurricane Series, Dual WP4351 BasSeal CNG - 24/7 Continuous Duty Booster Package with Safe Area Controller Availability: 16-20 weeks ARO
	Optional Items
1	Dual Weather CNG Weather resistant enclosure for outdoor installation with Sound Attenuation adder. Dual Weather Enclosure 26-30 weeks ARO after drawings are approved
2	WP4351 CNG Lifetime Warranty – see attached Terms and Conditions for complete details

Validity: 30 Days
Freight Basis: EXW Stevensville, MD
Availability: See above
**Subject to prior sale and production schedule at time of order*

Sauer Compressors USA is committed to the highest standards of quality, dependability and customer support. Rated for continuous duty, all compressors have been field tested in the most demanding applications and extensively refined to provide true 24/7 reliability.

Additional features and benefits to consider include…

1) Direct drive provides added energy savings, less noise and minimal maintenance over belt driven units
2) Access to fully stocked parts warehouse with ability to ship within 24 hours
3) Parts availability guaranteed for 35 years
4) Service team available for 24/7 technical support
5) Rental units available for your immediate air and gas needs

Package Includes:

- **Hurricane Series, WP4351 BasSeal CNG - 24/7 Continuous Duty Booster**
- Electric Motor 1800 RPM
- Gas tight for gas compression
- Inlet buffer and blowdown tank assemblies including:
- - Inlet regulator assembly
- - Inlet solenoid
- - Inlet feed pressure switch
- - Safety relief valves
- - Safety pressure switch
- - Piping and valves between the blowdown tank, buffer tank, and compressor
- - Gauges
- - Drain valve assembly for each tank
- Intercoolers and aftercooler
- Oil and water separators for each stage

- Safety relief valve for each stage
- Class 1 Div 2 Solenoid valves (115 V / 60 Hz)
- Unloaded starting relief and automatic condensate drain system
- Resilient mounts including drainage hoses and air/gas outlet hose
- Non-return valve mounted to air/gas outlet hose
- Class 1 Div 2 Low oil level shutdown sensor
- Class 1 Div 2 High air/gas temperature shutdown sensor
- Final pressure sensor
- Oil removal filtration to provide ISO 8573:2010, Class 2. 5000 PSIG MAWP
- Compressor control system - 460v - (including motor starter) for starting/stopping the compressor, and monitoring the oil, air/gas outlet temperature and outlet pressure of the compressor, NEMA 4 certified NEC C1D2 or Safe Area Rated.
- Baseframe: complete package wired and mounted on skid

Optional Equipment:

- Final receiver packages with the necessary components supplied
- Modified for 50 Hz power supply
- Complete package rated for installation in a hazardous location
- Customized controls for user specified monitoring and operation
- Sound dampening canopy (Forced exhaust ventilation to be ducted and supplied by others.)
- Weather Resistant Canopy

Sauer Compressors USA takes pride in providing custom solutions for our customers. Please consult your sales representative if you would like more information about alternative options suited for your custom compressor package.

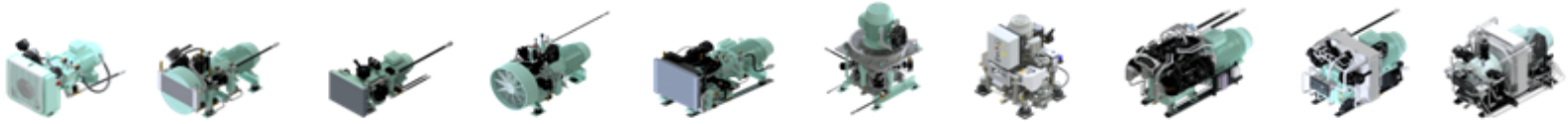
Standard warranty is 15 months from date of shipment or 12 months after initial installation and start-up, whichever comes first. Ask your Sauer USA representative if your project requires an extended or alternative warranty period.

WP4351 BasSeal CNG Data Sheet [HURRICANE]

		Imperial Units			Metric Units		
	Operating Pressure Min: 1668 psig | 115 barg Max: 5075 psig | 350 barg	Speed 1180 rpm (60 Hz)	1780 rpm (60 Hz)	Units	Speed 1180 rpm (60 Hz)	1780 rpm (60 Hz)	Units
Flow & Power	2900psig | 200 barg	72.0	109.0	scfm	122.24	185.06	m³/h
	(5 psig max allowable regulated inlet pressure)	50.0	75.0	hp	37.29	55.93	kW
	3625 psig | 250 barg	70.0	106.0	scfm	118.85	179.97	m³/h
	(5 psig max allowable regulated inlet pressure)	52.0	79.0	hp	38.78	58.91	kW
	4350 psig | 300 barg	69.0	105.0	scfm	117.15	178.27	m³/h
	(5 psig max allowable regulated inlet pressure)	52.0	79.0	hp	38.78	58.91	kW
	5075 psig | 350 barg	69.0	104.0	scfm	117.15	176.57	m³/h
	(4 psig max allowable regulated inlet pressure)	54.0	81.0	hp	40.27	60.40	kW
Technical Specification	Noise Level @ 3 ft per DIN45635	87	91	dB(A)	87	91	dB(A)
	Heat Dissipation	144,300	216,400	Btu/hr	42.3	63.4	kJ/s
	Cooling Air Needed	5,220	7,830	cfm	8,860	13,290	m³/hr
	Residual Oil Content at Gas Outlet (No Filtration)	≤3		mg/m3	≤3		mg/m3
	Delta Temperature (Gas Outlet vs. Ambient)	36	36	°F	20	20	°C
	Operational Ambient Temperature Range	41 - 104		°F	5 - 40		°C
	Oil Sump Capacity	16.9		qt	16		l
	Dimensions of Block & Motor (L x W x H)	67 x 49 x 47		in	1690 x 1250 x 1200		mm
	Cooling Method	Air-Cooled			Air-Cooled		
	Drive Type	Direct Drive			Direct Drive		
	Stages / Cylinders	4 / 4			4 / 4		
Motor Data	Motor Frame	NEMA (SUSA Standard)			IEC		
	Motor Rating	50	75	hp	35	52	kW
	Current @ 575 Volts	47	68	amps	48	68.8	amps
	Current @ 460 Volts	59	85	amps	60	86	amps
	Current @ 230 Volts	118	170	amps	120	172	amps
	Weight of Block & Motor	1,990	1,990	lbs	900	900	kgs

Shaft pow er +/- 5% tolerance and volume flow at ambient conditions of 68° F (20° C) and 14.7 psia (1 bara).

Sauer Compressors USA | 410.604.3142 | sales@sauerusa.com
Sauer Compressors Canada | 905.805.1892 | sales@sauercanada.ca
Sauer Compressors MX | +52.81.2721.9961 | ventas@sauercompressors.mx



Inlet filtration Specification

245 Log Canoe Circle
Stevensville, Maryland 21666

T 410.604.3142
F 410.604.3209

www.sauerusa.com

To ensure proper operation of a Sauer compressor, it is recommended to follow the below inlet filtration conditions to the compressor. Sauer compressors pulling from the free air around the unit are provided with the appropriate filter element already mounted to the compressor. However, in a booster situation (fed by supply systems, not by free air), the filtration must be considered to ensure gas quality to the inlet of the compressor.

Recommended inlet gas quality, per ISO8573-1 (reference Figure 1):

ISO8573-1:2010 Class 4.5.9

ISO8573-1:2010 Class 4.3.9 - CNG ONLY

ISO8573-1:2010 CLASS	Solid Particulate				Water		Oil
	Maximum number of particles per m^3			Mass Concentration mg/m^3	Vapour Pressure Dewpoint	Liquid g/m^3	Total Oil (aerosol liquid and vapour) mg/m^3
	0.1 - 0.5 micron	0.5 - 1 micron	1 - 5 micron				
0	As specified by the equipment user or supplier and more stringent than Class 1						
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70°C	-	0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40°C	-	0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20°C	-	1
4	-	-	≤ 10,000	-	≤ +3°C	-	5
5	-	-	≤ 100,000	-	≤ +7°C	-	-
6	-	-	-	≤ 5	≤ +10°C	-	-
7	-	-	-	5 - 10	-	≤ 0.5	-
8	-	-	-	-	-	0.5 - 5	-
9	-	-	-	-	-	5 - 10	-
X	-	-	-	> 10	-	> 10	> 10

Figure 1: ISO 8573-1 Air Class Chart

For CNG Compressors:

Gas Supply Conditions:

Impurities:	ISO8573-1: 4-3-9
H2S-content:	< 10 ppm
Suction Pressure range:	50-200 mbar(g)
Inlet gas Temperature:	5 - 40 °C

For Helium Compressors:

Gas Supply Conditions:

Impurities:	ISO8573-1: 4-3-9

For N2 Compressors:

Gas Supply Conditions:

Impurities:	ISO8573-1: 4-5-9

REV 003 -5/27/25

LIFETIME WARRANTY

Terms and Conditions

Overview of Warranty: Sauer Compressors USA, Inc. ("SAUER") warrants that for a period of thirty years ("LIFETIME") from the date of shipment that the J.P. Sauer & Sohn compressor block ("COMPRESSOR") will meet all applicable design and operational specifications for that model. The COMPRESSOR will be free from defects in material and operational capability under acceptable conditions of installation, operation, and maintenance as outlined in the COMPRESSOR's technical manual and any additional requirements made by SAUER representatives that are communicated to the equipment owner ("CUSTOMER") during the LIFETIME of the COMPRESSOR.

Compressor Installation: The COMPRESSOR provided by SAUER must be installed in accordance with SAUER installation requirements and procedures provided at the time of purchase. The customer must maintain the integrity of the installation throughout the LIFETIME of the COMPRESSOR and comply with any recommendations made by SAUER to improve the current installation. Once the compressor is installed, a SAUER representative must be present during the start-up of the new compressor to ensure the equipment is installed as required. Start-up support should be scheduled according to SAUER standard practices with the SAUER Service Department.

Compressor Maintenance: The COMPRESSOR applicable to this warranty must be maintained as per the COMPRESSOR's technical manual and documented by the customer appropriately. The maintenance must be completed by a Sauer Compressors USA Certified Technician utilizing Genuine Sauer Spare Parts and the appropriate approved lubricating oil for the application as outlined in the Sauer Compressors USA Oil Manual. It is the responsibility of the CUSTOMER to arrange for the scheduled maintenance to be completed as per the aforementioned requirements. The maintenance records should list the operating hours that the scheduled maintenance was performed and these records should be kept for the LIFETIME of the compressor. The maintenance records should be available to SAUER for review in the event of a warranty claim during the LIFETIME of the compressor.

Warranty Claims: The COMPRESSOR covered under the LIFETIME warranty must have a Warranty Registration Form on file with SAUER. It is the responsibility of the customer to contact SAUER within 48 hours of a possible issue to prevent further damage to the applicable COMPRESSOR. Warranty Claims must be submitted and will be processed in accordance with SAUER warranty claim policies and procedures. Oil sample analysis may be required by SAUER to further determine warranty coverage of a claim. Oil sample trend data and/or analysis is highly recommended to ensure the COMPRESSOR is operating as designed throughout the LIFETIME of the unit. Additional limitations listed below.

Limitations: It is at the sole judgment of SAUER if the product does not conform to applicable drawings and specifications approved in writing by SAUER for the COMPRESSOR, or is found to be defective in material or workmanship. SAUER, at its choice, can either repair or replace the COMPRESSOR or at their discretion provide a service representative to correct any material or workmanship defects with the COMPRESSOR. This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, unauthorized modification or alteration, use beyond rated capacity, improper installation, maintenance or application. The customer or its agents has supplied specifications, information, representation of operating conditions or other data to SAUER in the selection or design of the compressor(s) for the preparation of SAUER quotation and sale, and in the event that actual operating conditions or other conditions differ from those represented by the customer or its agents, any warranties or other provisions contained herein which are affected by such conditions shall be null and void. If within 48 hours after the customer discovers any warranty defects within the warranty period, the customer will notify SAUER thereof in writing, SAUER, shall at its option, repair or replace that portion found by SAUER to be defective. Failure by the customer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of the customer's claim for such defects. Compressors repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original LIFETIME warranty period. The customer assumes all other responsibilities for any loss, damage, or injury to persons or property arising out of, connected with or resulting from the use SAUER either alone or in combination with other product or components.

Liability: SAUER shall in no event be liable for any consequential, incidental, indirect, special or punitive damages arising out of this warranty or any breach thereof, or any defect in, or failure of, or malfunction of the compressor hereunder, including but not limited to, claims based on loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non-operation, increased expenses of operation, cost of purchase of replacement power or claims for service interruption whether such loss or damage is based on contract or tort.