



Department of Purchasing

100 N. Main Street, 2nd Floor
Suffolk, VA 23434
(757) 925-6762 Fax (757) 925-6763

January 19, 2021

To All Interested Parties:

**Subject: Invitation to Bid
Replacement of Boilers and Installation Services**

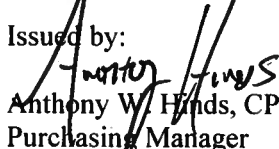
The Suffolk City School Board (School Board) is inviting bids to provide replacement boilers and installations services for Suffolk Public Schools. All documents enclosed are to be considered an integral part of this invitation to bid. Please read carefully all information contained in the bid. Any requirement set forth in any attachment is to be adhered to fully.

All bids must be submitted in a sealed envelope marked "**Replacement of Boilers**" and must be received in the Purchasing Office, on or before **2:00 p.m. on Tuesday, February 2, 2021**. No extensions are anticipated for this procurement. In the case Suffolk Public Schools is not open on the date of closing, Suffolk Public Schools will accept bids until 2:00 PM on the next operating day. Bids may be submitted through the EVA portal or delivered at the bidder's risk of a timely delivery. **All delivered bids must be sealed in an envelope or package clearly marked with the bid number, due date, time and delivered to:**

Anthony W. Hinds, CPPB
Department of Purchasing
Suffolk Public Schools
100 N. Main Street, 2nd Floor (entrance at rear of building)
Suffolk, VA 23434

This bid is posted on the EVA site and Suffolk Public Schools electronic bid board. No other sites are being used. All pertinent information is provided and the lowest responsive and responsible bid will be awarded the contract provided that all instructions are followed. Bids shall be publicly opened and read aloud at the above stated date and time at the above listed location. A Zoom meeting may also be used to meet this requirement. Any bid received after the time designated above will be returned unopened. Any questions concerning this matter shall be submitted in writing to Anthony Hinds at anthonyhinds@spsk12.net.

Issued by:


Anthony W. Hinds, CPPB
Purchasing Manager

Enclosures

CONTENTS

The cover letter (invitation to bid) and each section attached as listed below constitute this Invitation to Bid. All potential offerors will be required to adhere to all requirements, schedules, terms and conditions, as set forth in these sections.

Section I	Terms and Conditions
Section II	Scope of Work
Section III	Bid Form
Exhibit 1	Contractor/ Employee Background Certification Form

**SECTION I
GENERAL BID CONDITIONS
FOR
CONTRACTED SERVICES**

The conditions set forth herein apply to all materials, supplies, service and equipment provided to the Suffolk City School Board hereinafter called the School Board. All bidders are bound by these conditions. Please read these conditions carefully as they are an integral part of the agreement and contract awarded to the successful bidder.

I. BID PROCEDURE

1. The date and time of bid registration is given in the Invitation to Bid as is the date and time of the bid opening. Bids received after the date and time of bid registration will not be considered.
2. Bids must be submitted on the bid forms provided by the School Board. Vendors must bid on all items.
3. All information that is requested by the Letter of Transmittal, Invitation to Bid, General Bid Conditions, Specifications and Bid Forms must be included to constitute a valid bid.
4. In submitting a bid, the bidder acknowledges that he is fully informed as to the extent and character of the required materials, supplies, services and equipment and further represents that he can furnish the materials, supplies, services and equipment in complete compliance with the specifications.
5. Any deviations from the specifications must be set forth on the bid document.
6. Prices and information required should be typewritten for legibility. Illegible or vague bids may be rejected. Signature of person submitting bid must be in longhand.
7. Sales to school boards are not affected by any fair trade agreements.
8. The School Board is exempt from Federal, State and excise taxes. The price bid shall be net and not include the amount of any such tax. Tax exemption certificates, if required, will be provided by the School Board.
9. The contractor shall pay all sales, consumer, use and other similar taxes for the work or portions thereof provided by the contractor which are legally enacted at the time bids are received, whether or not yet effective.
10. Unless otherwise provided in the bid document, the name of a certain brand, make, manufacturer, or definite specification is to denote the quality or standard of the article desired, but does not restrict bidders to the specific brand, make, manufacturer, or specification named. It is to set forth and convey to potential bidders the general style, type, character, and quality of article desired. The decision of the School Board shall be final and binding on the parties as to whether an item other than that specified is in fact "equal." In bidding on items other than those specified, bidder must give the trade designation of the article, manufacturer's name and detailed specification of the item. Otherwise, the bid will be construed as submitted on the identical item as specified.
11. Bids on equipment must be standard new equipment, of latest model, and in current production, unless otherwise specified or noted on the bid form.

12. All regularly manufactured stock electrical items must meet the following minimum requirements:
 - a. National Electrical Code
 - b. Standard rules of the American Institute of Electrical Engineering
 - c. National Electrical Management Association
 - d. Uniform Virginia Building Codes (OSHA)
13. When bids are requested on lump sum basis, bidder must enter the price for each item and also the lump sum.
14. All prices quoted must be "per unit" as specified.
15. Price per unit and the extensions for each item bid shall be listed on the bid form. In case of discrepancy, the lowest price will govern.
16. Prices shall be net, with transportation or delivery FOB Suffolk Public Schools as indicated herein at the expense of the successful bidder. The title shall not pass and the risk of loss shall remain on the seller until items have been delivered and accepted by the School Board.
17. Under penalty of perjury, the bidder expressly warrants that the pricing and information submitted herein is not the result of an agreement, expressed or implied, with any other bidder or bidders in an attempt to influence or restrict competition by the bidder, bidder's suppliers or employees of the company.
18. Bid must be submitted in a plain envelope or package with the bid number, due date and time clearly identified on the outside and sent to the following address:

Suffolk Public Schools
Purchasing Manager
100 N. Main Street, 2nd. Floor
Suffolk, Virginia 23434
19. No interpretation of the meaning of the bid document will be made orally to any potential bidder. Request for such interpretation should be in writing, addressed to Anthony W. Hinds, Purchasing Manager, 100 N. Main Street, 2nd Floor, Suffolk VA, 23434, or as directed in the Invitation to Bid, no later than three (3) days prior to the date fixed for the opening of bids. Notice of any and all interpretations and any supplemental instructions will be sent to all bidders of record by the School Board in the form of addenda. All addenda so issued shall become a part of the bid document.
20. Withdrawal of Bids:
 - a. A bidder may withdraw his bid from consideration if the price was substantially lower than the other bids due solely to a mistake therein, provided the bid was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgement mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quality of work, labor or material made directly in the compilation of a bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid sought to be withdrawn. In order to request the withdrawal of a bid, the bidder shall give notice in writing of his claim of right to withdraw his bid within two business days after the conclusion of the bid opening procedure and shall submit original work papers with such notice.

A bid may be withdrawn as described herein upon the approval of the Purchasing Manager of Suffolk City Public Schools.

- b. No bid may be withdrawn under this section when the result would be awarding of the contract on another bid to the same bidder or of another bidder in which the ownership of the withdrawing bidder is more than five percent.
- c. If a bid is withdrawn under the authority of this section, the lowest remaining bid shall be deemed to be the low bid.
- d. No bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn bid was submitted.
- e. If the public body denies the withdrawal of a bid under the provisions of this section, it shall notify the bidder in writing stating the reasons for its decision and award the contract to such bidder at the bid price, provided such bidder is a responsible and responsive bidder.

II. SAMPLES

1. All specifications are minimum standards. Accepted bid samples do not supersede specification of quality unless bid sample is superior in which case deliveries must be the same identity and quality as accepted bid sample.
2. The School Board reserves the right to request a sample of the items bid prior to the award or before shipments are made. If sample fails to meet specifications, the bid will be disqualified.
3. If samples are requested subsequent to bid opening, they shall be delivered upon request at the discretion of the School Board or as directed, for bid to have consideration. Samples must be furnished at no expense to the School Board and must be accompanied by descriptive memorandum invoices indicating if the bidder desires their return provided they have not been used or made useless by tests. Award samples will be held for comparison with deliveries. The School Board will not be responsible for any samples destroyed or mutilated by examination or testing. Vendor will be advised of sample pick up. Samples not removed within ten (10) days after written notice to the bidder will be regarded as abandoned and the School Board shall have the right to dispose of them as its own property, and the bidder shall not hold the School Board liable for any sample disposed of by the School Board.
4. If specifications state that an item to be bid must equal a sample on display, the sample will be made available to all bidders by School Board. Failure of bidder to examine such a sample shall not relieve him from meeting the requirements set forth by the sample.

III. BID AWARD

1. The School Board will notify the successful bidder in the form of a Purchase Order or Notice of Award and will post the Bid Award on Suffolk Public Schools Bid Board located on the Second Floor in the School Administration Office at 100 N. Main Street, Suffolk, Virginia 23434.
2. The School Board reserves the right to reject any or all bids in whole or part and to waive any informalities if, in its judgment, it is in the best interest of the School Board.
3. When bids are requested on individual items and also on a total sum of sums, the School Board reserves the right to award bids on individual items OR on total sums as may be in the best interest of the School Board.
4. Awards will be made to the lowest responsive and responsible bidder, as will best promote the public interest.

5. In case of tie bid with all other factors deemed equal with two or more suppliers, preference will be given in the following order: Suffolk City firms, area firms, state firms.
6. The School Board reserves the right to make awards within ninety (90) days after the date of the bid opening during which period bids may not be withdrawn unless the bidder distinctly states in the bid that acceptance thereof must be made within a shorter specified time.
7. In accordance with the Code of Virginia, Section 11-53, [in the case of insufficient funds] the School Board reserves the right to negotiate with the lowest responsible bidder.
8. In submitting a bid, the bidder obligates his company to furnish items and services at the bid price and that written notice from the School Board accepting the bid constitutes a contract between the bidder and the School Board. The School Board reserves the right to adjust original quantities. In addition the School Board reserves the right to purchase additional quantities with no increase in price.
9. A notice of award or purchase order to successful bidder, to the address given in the bid, will be considered sufficient notice of acceptance of the contract.
10. If the successful bidder fails to deliver within the time specified, or within reasonable time as interpreted by the School Board, or fails to make replacement of rejected articles, when so requested, immediately or as directed by the School Board, the School Board may purchase from other sources to take the place of the item rejected or not delivered. The School Board reserves the right to authorize immediate purchase from other sources against rejections on any contract when necessary. On such purchases, the successful bidder is responsible to the School Board for any excess costs. Should the cost be less, the successful bidder shall have no claim to the difference. Such purchases will be deducted from contract amount.
11. A contract may be canceled at the successful bidder's expense upon non-performance of contract.
12. Cancellation of contract for any reason may result in removal of the successful bidder's name from bid list for future bidding.
13. When materials, equipment or supplies are rejected, the successful bidder must remove them from the premises of the School Board within ten (10) days of notification. Rejected items left longer than ten (10) days will be regarded as abandoned, and the School Board shall have the right to dispose of them as its own property, and the successful bidder shall not hold the School Board liable for any rejected goods disposed of by the School Board.
14. The successful bidder shall not assign, transfer, convey, sublet, or otherwise dispose of the contract or right, title, or interest therein, or power to execute such contract, to any other person, company, or corporation, without the previous written consent of the School Board.
15. The successful bidder shall perform its obligations under the Agreement in compliance with any and all applicable federal, state and local laws, rules, and regulations, including applicable licensing requirements, and in compliance with any and all rules of the School Board relative to the premises. The Successful Offeror shall be responsible for obtaining all permits, consents, and authorizations as may be required to perform its obligations.
16. The successful bidder shall be responsible for the payment of any required taxes or fees associated with the Agreement. All work shall be in compliance with all applicable codes, ordinances and permitting requirements.

17. The successful bidder shall schedule and coordinate its services with the School Board. Services shall be performed in a professional and timely manner.
18. The Successful Offeror shall indemnify and hold harmless the School Board and its representatives from and against all losses and claims, demands, suits, actions, payments and judgments arising from personal injury or otherwise brought or recovered against the School Board or its representatives by reason of any act or omission of the Successful Offeror, its agents, servants or employees in the execution of the contracted work.

IV. DELIVERY AND INSTALLATION

1. No work shall begin until successful bidder receives a Purchase Order or Notice of Award from Suffolk City Public Schools.
2. Installations must be provided as stipulated on the Purchase Order. If for reasons beyond the control of the company installation cannot be made by the specified date, it will be the company's responsibility to notify the Purchasing Manager of reasons for delay and the new installation date. Failure of this notification may be justification for removal of vendor from the bid list. Failure to install within a reasonable time will be cause for open market purchase at the expense of the successful bidder.
3. No deliveries may be made on Saturday, Sunday, School Board holidays, or legal holidays, except when the delivery is an emergency, in which event the convenience of the School Board shall govern.
4. Items shall be securely and properly packed for shipment, storage and stocking in new shipping containers and in accordance with accepted commercial practice.
5. The successful bidder shall be responsible for delivery of items in good condition to the point of destination and shall file with the carrier all claims for breakage, imperfections, and other losses, which will be deducted from invoices. The receiving School Board representative will note for the benefit of successful bidder when packages/items are not received in good condition.
6. Unless otherwise stated in the specifications, all items must be delivered into and placed at a point within the building as directed by the shipping instructions or the agent for the School Board. The successful bidder will be required to furnish proof of delivery in every instance.
7. Unloading, placing, assembling and testing of equipment, including furniture is the responsibility of the successful bidder unless otherwise stated in the specifications, and the School Board accepts no responsibility for unloading and placing of equipment. The successful bidder must provide all equipment necessary for the installation of all equipment. Any costs incurred due to the failure of the successful bidder to comply with this requirement will be charged to bidder. No help for unloading will be provided by the School Board, and suppliers should notify their carriers accordingly.
8. The successful bidder shall remove all debris and rubbish resulting from work unless otherwise stated in the specifications. Upon completion of the work, the premises shall be left in a neat, unobstructed condition, the areas broom cleaned.
9. Equipment and supplies shall be stored at the site only on the approval of the School Board and at the successful bidder's risk. In general, such on-site storage should be avoided to prevent possible damage or loss. The successful bidder agrees to assume full and complete responsibility for injuries occurring to employees of Suffolk Public Schools or their parties resulting from equipment and/or supplies stored at the site.

10. Work shall progress in such manner as to cause the least inconvenience to the School Board and with proper consideration for the rights of other successful bidders or workmen. The successful bidder shall keep in touch with the entire operation and perform work promptly.
11. Bidders shall acquaint themselves with conditions to be found at the site and shall assume all responsibility for placing and installing the equipment in the locations required unless otherwise stated in the specifications.
12. Equipment for trade-in shall be dismantled by the successful bidder and removed at no expense to School Board. The condition of the trade-in equipment at the time it is turned over to the successful bidder shall be the same as covered in the specifications, except as affected by normal wear and tear from use up to the time of trade-in. All equipment is represented simply, "as is". Equipment is available for inspection at the delivery point listed for new equipment, unless otherwise specified.

V. GUARANTEE-WARRANTY

1. The successful bidder guarantees:
 - a. Against defective or faulty material or workmanship for at least one (1) year from final payment by the School Board or for a longer period if allowed by law or as so specified. If during this period such faults develop, the successful bidder agrees to replace the unit or part affected without cost to the School Board.
 - b. To furnish adequate protection from damage for all work and to repair damages of any kind for which bidder's workmen are responsible, to the building or equipment, to own work, or to the work of other successful bidders.
 - c. That all deliveries will be equal to the accepted bid sample.
 - d. That the parts used in installation and maintenance are standard, new latest model or regular stock product or as required by the specifications with parts regularly used for the type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations and standard practice.
 - e. Any merchandise provided under the contract which is or becomes defective during the guarantee period shall be replaced by the successful bidder free of charge with the specific understanding that all replacements shall carry the same guarantee as the original equipment (one year from the date of acceptance of the replacement or longer if so specified). The successful bidder shall make any such replacement immediately upon receiving written notice from the School Board.

VI. INSURANCE BOND

1. The successful bidder shall not be held responsible for losses resulting from war, acts of public enemies, strikes, fires, floods, acts of God, or for any other acts not within the control of the successful bidder and which by the exercise of reasonable diligence is unable to prevent.
2. The bidder shall maintain liability insurance coverage acceptable to the School Board for all persons involved in delivery, installation or employed or acting in any other capacity on behalf of the vendor or the manufacturer of items purchased.
3. The successful bidder will be required to carry adequate insurance to protect the School Board from loss in case of accident, fire, theft, etc.

VII. PAYMENTS

1. Payment shall not preclude the School Board from making a claim for adjustment on any item later found not to have been in accordance with General Conditions and Specifications.
2. Partial payments on a total order will be made only by a special arrangement with the School Board.

VIII. DRUG FREE WORK PLACE

1. During the performance of this contract, the contractor agrees to:
 - a. Provide a drug-free work place for the contractor's employees,
 - b. Post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession or use of a controlled substance or marijuana is prohibited in the contractor's work place and specifying the actions that will be taken against employees for violations of such prohibition,
 - c. State in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free work place,
 - d. Include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10, 000 so that the provisions will be binding upon each subcontractor or vendor.

IX. NONDISCRIMINATION

1. During the performance of this contract, the contractor agrees as follows:
 - a. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - b. The contractor, in all solicitations or advertisements for employees placed by or on behalf of the contractor, will state that such contractor is an equal opportunity employer.
 - c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
2. The contractor will include the provisions of the foregoing paragraphs a, b and c in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.
3. Suffolk Public Schools does not discriminate against faith based organizations.

X. CONTRACTOR/EMPLOYEE BACKGROUND CERTIFICATION

Upon award, the contractor and any employee who will have direct contact with students shall provide certification that (I) he has not been convicted of a felony or any offense involving the sexual molestation or physical or sexual abuse or rape of a child; and (II) whether he has been convicted of a crime of moral turpitude.

Any person making a materially false statement regarding such offense shall be guilty of a Class 1 misdemeanor and, upon conviction, the fact of such conviction shall be grounds for the revocation of the contract to provide such services and, when relevant, the revocation of any license required to provide such services. (See attachment)

Contractor warrants that it does not, and shall not during the performance of this Agreement, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

XI. STATE CORPORATION COMMISSION ID NUMBER

In accordance with the registration requirements effective July 1, 2010 vendors shall include the identification number issued by the State Corporation Commission as proof of registration or justification for non-registration per the requirements in Section 13.1 or Title 50 of the Code of Virginia. Provide your SCC Identification Number below or justification for non-registration. The SCC may be reached at (804) 371-9733 or at www.scc.virginia.gov/default.aspx. Failure to include this information with your submittal may result in rejection of your proposal.

XII. COOPERATIVE PROCUREMENT

This solicitation is being conducted on behalf of other public bodies under the provisions of § 2.2-4304 of the Virginia Public Procurement Act, Cooperative Procurement, as stated, “a public body may purchase from another public body's contract even if it did not participate in the request for proposal or invitation to bid, if the Request for Proposal or Invitation to Bid specified that the procurement was being conducted on behalf of other public bodies.”

If authorized by the Bidder(s), the resultant contract(s) may be extended to any jurisdiction within the Commonwealth of Virginia to purchase at contract prices in accordance with contract terms.

Any jurisdiction using such contracts shall place its own orders(s) directly with the Successful Contractor(s). Suffolk Public Schools acts only as the Contracting Agent and is not responsible for the placement of orders, payment or discrepancies of the participating jurisdictions.

It is the Contractor's responsibility to notify the jurisdictions of the availability of contract(s).

SECTION II SCOPE OF WORK

Intent:

It is the intent of the School Board to establish a contract that will allow for the replacement of the boilers at King's Fork Middle School. It is intended that the successful contractor install one boiler and get the boiler fully operational and then install the second boiler. This will ensure that the school will have at least one operating boiler.

Site Visits:

Site visits to school locations maybe scheduled by contacting Vernon Jackson at the Maintenance Department, 757-934-6206. All site visits must be concluded by January 28, 2021.

References:

The Contractor must submit a minimum of three (3) references with their bid submittal form. References shall include contact name and phone number or email address and shall include similar work that they have completed in the last two (2) years.

Safety:

The Contractor shall be responsible for initiating, maintaining and supervising all required safety precautions and programs in connection with this work.

Emergencies:

The Contractor shall provide name(s) and phone number(s) for 24-hour, 7-day contact in case of emergencies. In any emergency affecting the safety of persons on school property, the contractor shall act to prevent threatened damage, injury or loss.

Contractor Use of Premises:

The Contractor shall limit use of premises to construction activities in areas assigned and allow for Owner's access and work by other contractors and owner's maintenance forces. In addition, the contractor shall provide for necessary security to limit entrance into work areas by unauthorized persons.

Permits/Certificates/Licenses:

The Contractor is responsible for obtaining and paying for any and all permits, licenses and inspections required for completion of this work. A Certificate of Insurance shall be included with bid submittal.

Temporary Facilities:

The Owner will make available water and 110 volt, 1 phase power from the existing buildings. Hoses, extension cords or other means of distribution shall be the responsibility of the Contractor. The Contractor shall be responsible for providing and maintaining all other temporary facilities required for this work. Prior to completion, the Contractor shall remove all the temporary facilities.

Field Measurements:

The Contractor shall be responsible for verification of all dimensions or measurements affecting his work. No additional payments will be approved for work that would have been evident during site visits and/or verification of measurements.

Schedule:

All work shall be scheduled and coordinated with the Director of Facilities & Planning by calling, (757) 934-6206.

Clean Up:

The Contractor shall remove all construction debris, dirt, and trash from the site on a daily basis. The Contractor shall clean, repaint, repair or replace as necessary all damage caused by his work to any existing facilities prior to the final payment.

Project Close Out:

Final inspection by the Director of Facilities and Planning Department must be made and work completed as outlined in the bid request prior to submitting a final invoice. The Contractor shall not operate or disturb the setting of valves, switches, or electrical equipment except as specified in the bid or by previous arrangement with the owner. Shut down and start up of all ventilating and air conditioning systems shall be performed by the owner. It is the Contractor's responsibility to notify the owner 24 hours in advance when systems are required to be shut down or restarted.

Warranty:

The contractor shall provide detailed warranty information for all materials and labor. Please include warranty terms with bid form.

SECTION III
SUFFOLK PUBLIC SCHOOLS
REPLACEMENT BOILERS AND INSTALLATION SERVICES
AT KING'S FORK MIDDLE SCHOOL
BID FORM /SPECIFICATIONS

Proposal of _____ (Hereinafter called the Bidder),

a corporation, organized and existing under the laws of the State of _____.

TO: The School Board, City of Suffolk, Virginia. The Bidder, in compliance with your invitation for bid to provide replacement boilers and installation services at King's Fork Middle, having carefully examined the Specifications, proposes to provide these services for the unit cost set forth below.

DESCRIPTION	BID AMOUNT INSTALLED FOR TWO BOILERS
Provide the following boiler or equivalent Riello AR 4000 (specifications attached) or equivalent with Bacnet over IP communication card (required by our controls vendor). If an equivalent if being bid, please include specifications. If specifications are not attached, the bid may be disqualified. All materials to install the boiler. Bidder installation will include the following: • Perform lock out tag out on energy sources • Connect supply and return lines from existing boiler together • Install valves and piping to create a secondary loop for condensing boiler • Replace 4 existing boiler isolation valves • Disconnect and remove existing boilers from piping and electrical • Remove boilers from the boiler room and dispose of properly • Rig in and set two new Riello AR 4000 boilers or equivalent • Connect supply and return lines from primary loop to new boilers • Connect gas piping to new boilers • Supply and install new 8" diameter, double wall, AL29-4C SS inner with 304 SS outer casing stack • Supply and install new PVC air intake piping. Piping will run through the wall above the roll up door • Supply and install new drain piping • Connect boiler to existing electrical disconnect • Supply and install 1.5" thick fiberglass piping insulation with all service jacket on hot water piping • Perform start up and check • Perform a walk through with contractor supervisor and district leadership It is expected that the contractors during this time will do the following: • Clean the area of installation materials (waste) from the installation • Check in and out of the building using division approved check in and out procedures. • Coordinate with school division's BAS contractor (Damuth Trane) if required	

ANTICIPATED LEAD TIME FROM PURCHASE TO INSTALLATION _____ days

ADDITIONAL REQUIREMENTS

1. The Facilities and Planning Department must approve any additional work in advance.
2. Provide at least three (3) references to include contact name and email address of current customers for which similar services are provided.
3. May purchase additional services or equipment as necessary to meet the intent of the IFB.

The School Board reserves the right to:

1. Award a contract or contracts for all services as may be most advantageous to the School Board and to make an award using the best value criteria described below:
 - a. Compliance with requirements stated herein
 - b. Quality of services provided
 - c. References from previous customers for similar services
2. Reject any or all bids or to negotiate with the low bidder in case of insufficient funds

Is your business a minority business? ____ Woman Owned ____ Minority Owned ____ Other

State Corporation Commission ID Number: _____

(See Section XI under Terms and Conditions)

Company Name

Signature

Address

Name and Position

City, State and Zip Code

Date

Phone Number

Fax Number

Email Address

Ordering Email Address



Department of Purchasing

100 N. Main Street, 2nd Floor
Suffolk, VA 23434
(757) 925-6762 Fax (757) 925-6763

Attachment 1: CONTRACTOR/EMPLOYEE BACKGROUND CERTIFICATION

Pursuant to Virginia Code Section 22.1-296.1.C, prior to the award of a contract for the provision of services that require the contractor or any of its employees to have direct contact with students, the school board is required to have the contractor, and when relevant, any employee who will have direct contact with students, provide certification that (i) he has not been convicted of a felony or any offense involving the sexual molestation or physical or sexual abuse or rape of a child; and (ii) whether he has been convicted of a crime of moral turpitude. So as not to place an undue burden or hardship on the day to day operation of the school division and remain in compliance with the aforementioned Code provision, any contractor providing services for Suffolk Public Schools, whose employees will have direct contact with students, is required to provide the certification listed below:

As a contractor providing services for Suffolk Public Schools, whose employees will have direct contact with students, I certify that neither the contractor nor any of its employees, whether current employees or those who will be employed in the future, have been (i) convicted of a felony or any offense involving the sexual molestation or physical or sexual abuse or rape of a child; nor (ii) convicted of a crime of moral turpitude.

CONTRACTOR NAME _____

BUSINESS ADDRESS _____

PHONE NUMBER _____

CERTIFIED BY _____

PRINTED NAME _____

TITLE _____

DATE _____

Any person making a materially false statement regarding any such offense shall be guilty of a Class 1 misdemeanor and, upon conviction, the fact of such conviction shall be grounds for the revocation of the contract to provide such services and, when relevant, the revocation of any license required to provide such services. School boards shall not be liable for materially false statements regarding the certifications required by this subsection.

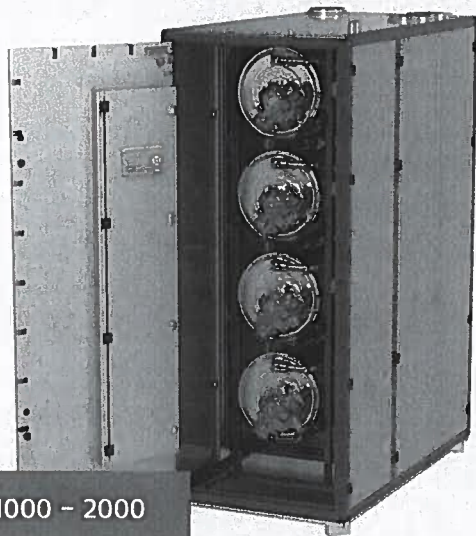
For the purposes of this subsection, "direct contact with students" means being in the presence of students during regular school hours or during school-sponsored activities.



RIELLO ARRAY

High Efficiency Condensing Boiler
1000-4000 MBH

POWER RANGE



ARRAY 1000 - 2000



ARRAY 3000 - 4000

MODEL	Max Input Btu/hr	Max Output Btu/hr	Number of Modules	AHRI Thermal Efficiency %	Turndown Ratio	Overall Dimensions W x H x D (inches)
AR 1000	1,000,000	961,000	2	96.1%	10:1	33.3x67.2x60.8
AR 1500	1,500,000	1,441,500	3	96.1%	15:1	33.3x67.2x60.8
AR 2000	2,000,000	1,922,000	4	96.1%	20:1	33.3x83x60.8
AR 3000	3,000,000	2,883,000	6	96.1%	30:1	35.4x83x72.8
AR 4000	4,000,000	3,844,000	8	96.1%	40:1	35.4x83x72.8

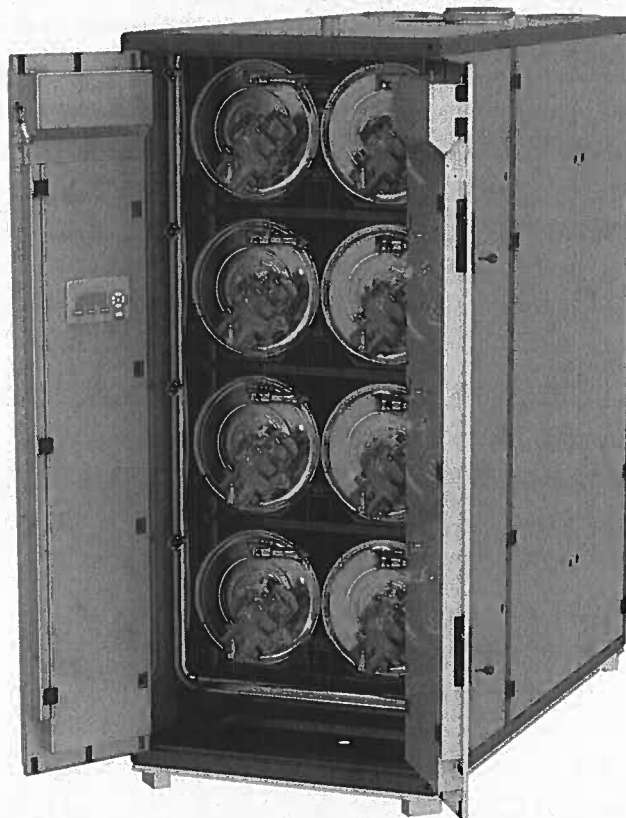


THE ULTIMATE IN EFFICIENCY, REDUNDANCY & RELIABILITY

The Riello Array is a **pre-packaged boiler plant**, the new standard in boiler efficiency, redundancy and reliability.

Each Array boiler utilizes multiple heat engine modules, providing high turn down and multiple boiler redundancy in one packaged unit.

A single Array boiler provides superior uptime reliability previously found only in larger multiple boiler systems.



KEY FEATURES

One platform, multiple sizes

Built in redundancy. Each 500 MBH module is fully independent and "stand alone" thus allowing boiler operation even if an adjacent module is turned off

Plug&Play installation

Extremely simple to service and maintain

For operation with natural gas or propane

Factory installed flue exhaust damper on each module, allows common venting capability of Array boilers in cascade

Heat Exchanger Protection: Control monitors supply and return temperature and prevents heat exchanger from excessive temperature rise

HIGH PERFORMANCES

Efficiency up to 99%

NOx emissions of 9 PPM at 3% O₂

Turndown ratio up to 40:1

ASME Design Pressure 80 PSI

Low noise operation (each module <48 dB)

SUPERIOR DESIGN: STRUCTURE AND MATERIALS

Multi modules design

Horizontal modules

High quality stainless steel heat exchanger (AISI 316L)

Direct vent / Room sealed combustion

FLEXIBLE INSTALLATION

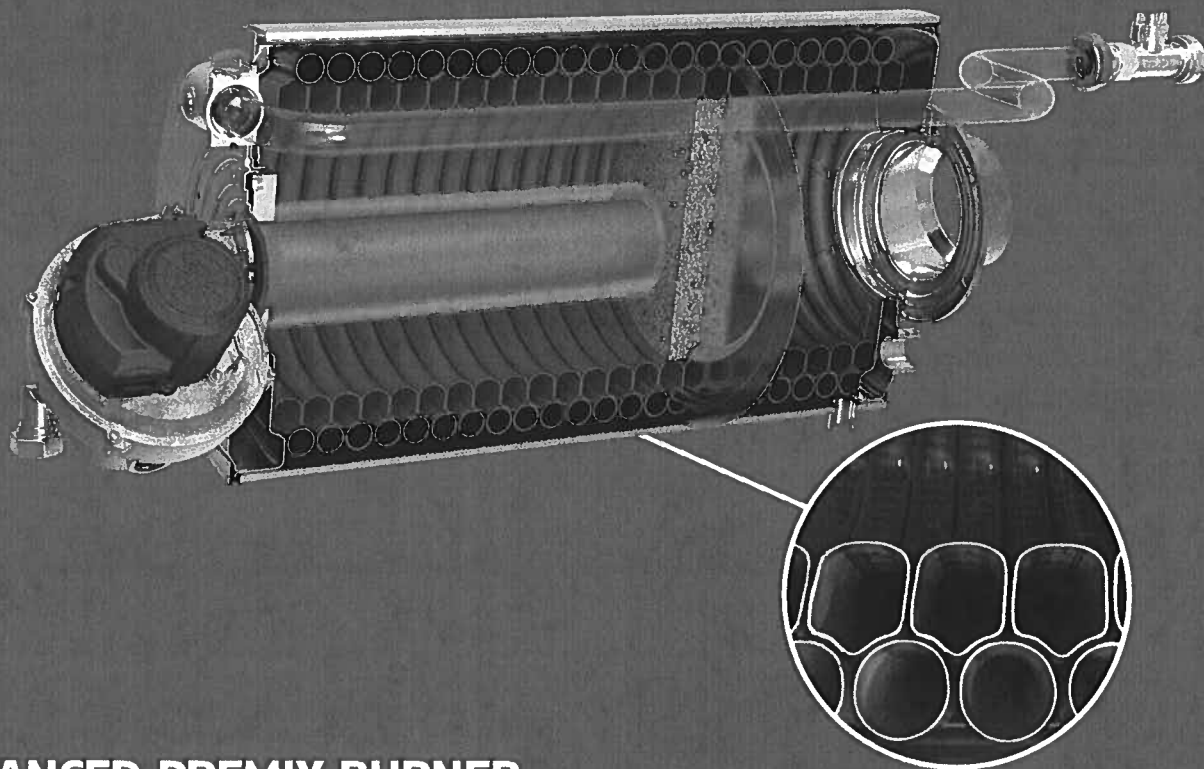
Direct vent air intake and exhaust up to 100 equivalent feet

6" to 10" venting system that can run horizontally or vertically

Venting Materials: CPVC, Polypropylene or AL29-4C stainless steel

Available with an air inlet damper for cold climates to prevent outdoor air from entering the heat exchanger in standby mode

LOOKING INSIDE

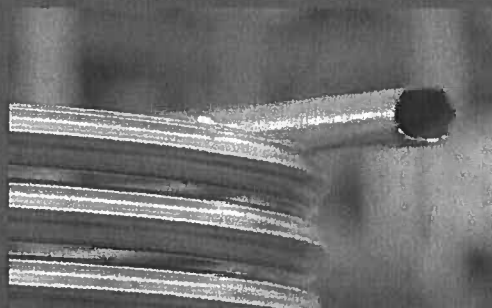


ADVANCED PREMIX BURNER

The Riello Array Premix combustion system is comprised of a modulating gas valve integrated with a high performance fan and stainless steel mesh burner. The proportional control guarantees a consistent air/fuel ratio throughout the entire range of modulation resulting in a clean low temperature flame.

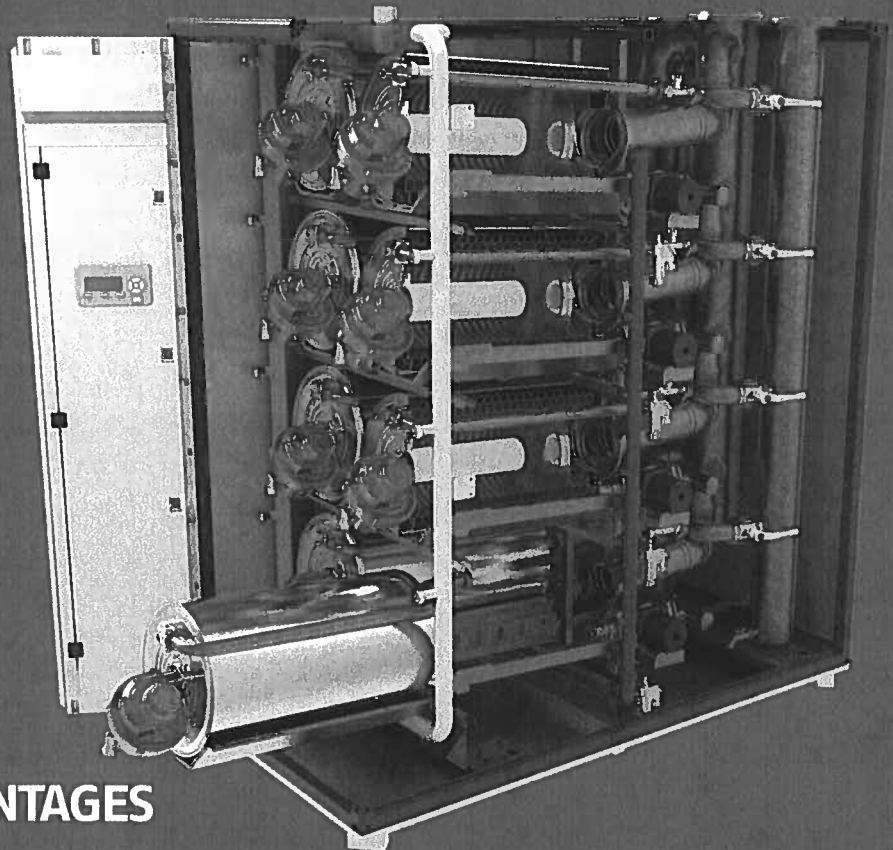
HIGH QUALITY HEAT EXCHANGER

- Heat engine with a unique "Helix" style design
- Advanced design for greater reliability and an extended life
- The heart of the Array boiler is the power unit module
- Patented heat exchanger geometry consists of two stainless steel smooth pipes working in parallel eliminating the need for internal baffles
- The design allows minimum waterside pressure drop and efficient heat exchange



LOOKING INSIDE

- Constructed for high reliability and long life
- All water, gas, and venting connections on top
- Small installed footprint
- Assured minimum water flow rate for each module
- One pump for each module
- Stand-alone operation of each module to assure continuous functioning
- No additional boiler pumps or valves are required
- Color touch screen control

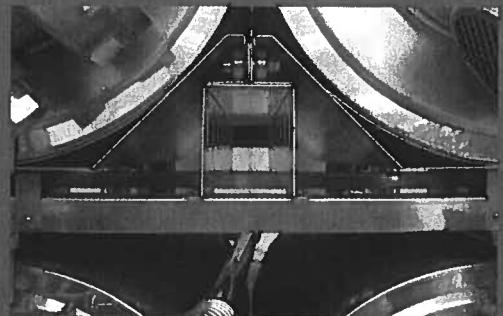


INSTALLATION ADVANTAGES

- Ease of commissioning & maintenance
- Minimum training required
- Saves space and easy to install
- Perfect for new installation and retrofit projects
- Quick-to-install, cost-efficient accessories
- Cascade up to 8 boilers (64 modules) allows to reach a modulation up to 320:1

OPERATION & MAINTENANCE

- Internal cascade redundancy always delivers reliable performance with no downtime
- Simple maintenance: each module can be serviced while the others are running
- Easy roll-out module configuration: the boiler can work with one or more modules removed

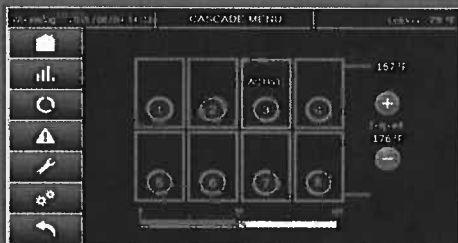


CONTROLS

STANDARD ON-BOARD CONTROL FEATURES

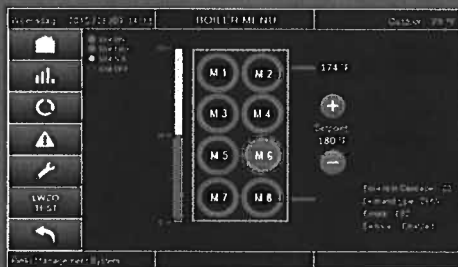
- 7" color touch screen outside the boiler cabinet
- Graphic display of actual input rate of cascade, boiler and modules
- User-Friendly menus to monitor the whole cascade (up to 8 boilers) or each single module
- Immediate access to Cascade, Supply, Return, Flue temperatures and Fan speed of each module
- Easy access to Settings, Service reminder, Outdoor reset capability, Error log
- Control provides remote operation through the 0-10Vdc for set point

CASCADE MANAGEMENT

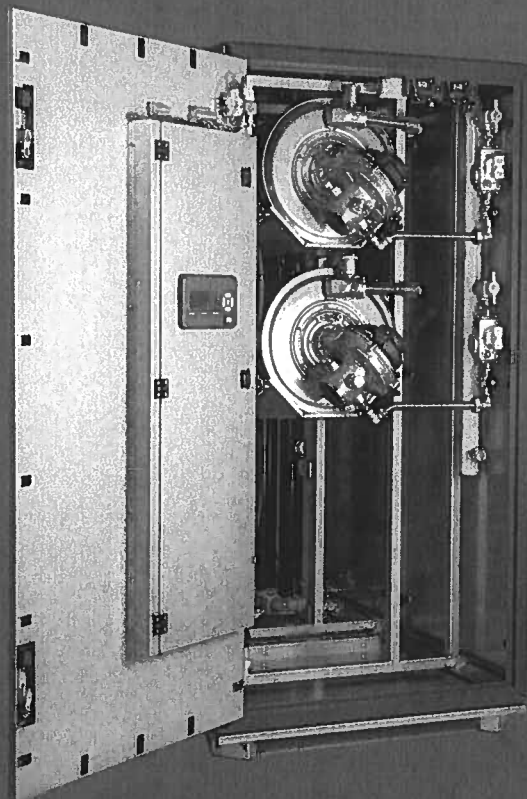
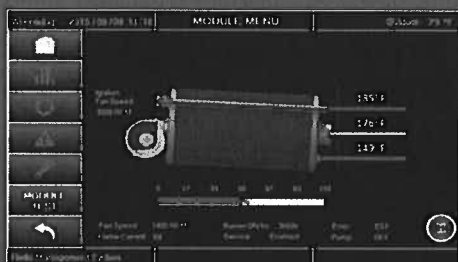


- Service display inside the cabinet
- Analog input for remote DDC operation
- Onboard ΔT limiting eliminates on/off cycles
- Communication protocol Modbus

BOILER MANAGEMENT

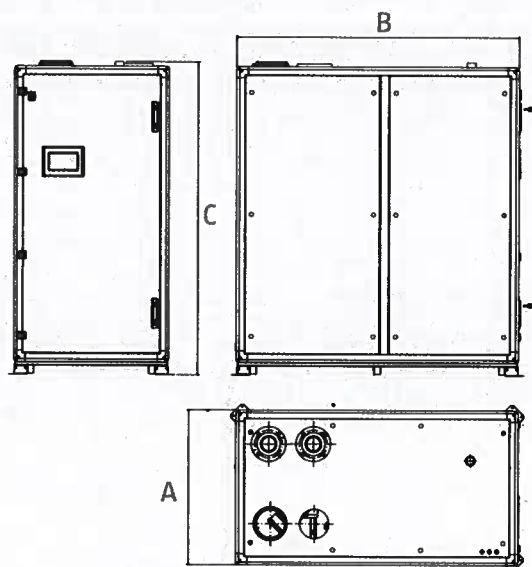


MODULE MANAGEMENT

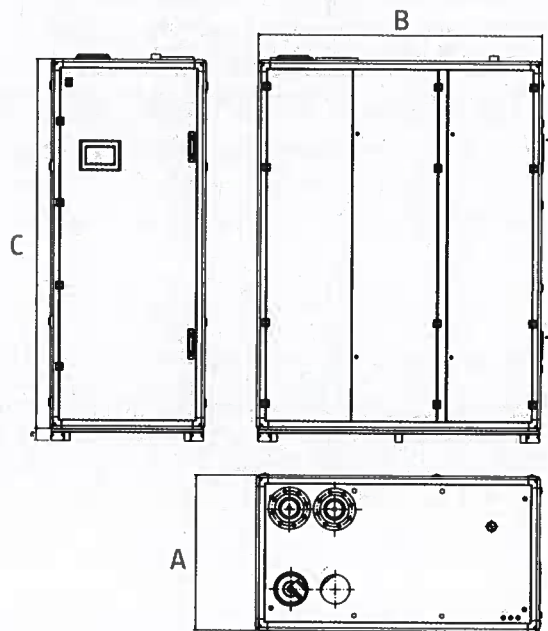


DIMENSIONS

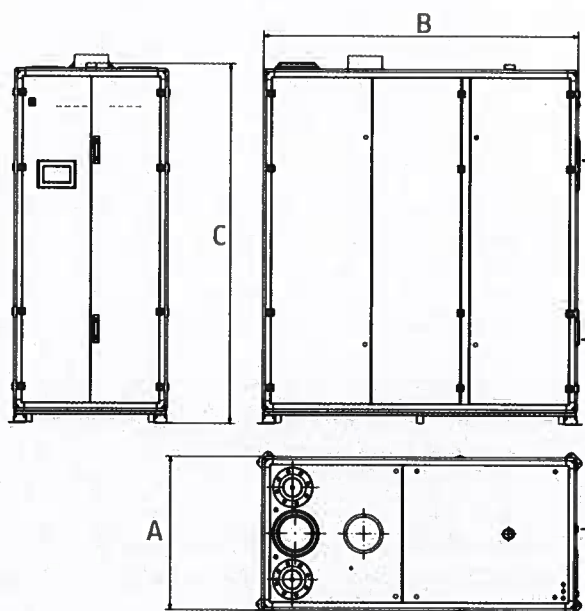
ARRAY 1000 - 1500



ARRAY 2000



ARRAY 3000 - 4000



Description	AR 1000	AR 1500	AR 2000	AR 3000	AR 4000
A - Width	inch 33.3"	33.3"	33.3"	35.4"	35.4"
	mm 846	846	846	899	899
B - Length	inch 60.8"	60.8"	60.8"	72.8"	72.8"
	mm 1544	1544	1544	1849	1849
C - Height	inch 67.2"	67.2"	83"	83"	83"
	mm 1707	1707	2108	2108	2108

TECHNICAL SPECIFICATIONS

P00028NA00 11/2016

	Unit	AR 1000	AR 1500	AR 2000	AR 3000	AR 4000
Boiler Category	ASME Sect. IV					
Type of Gas	Natural Gas, Propane					
Max Input Rate	BTU/hr (kW)	1,000,000 (293)	1,500,000 (440)	2,000,000 (586)	3,000,000 (879)	4,000,000 (1172)
Min Input Rate	BTU/hr (kW)	100,000 (29)	100,000 (29)	100,000 (29)	100,000 (29)	100,000 (29)
Turndown	Rate	10:1	15:1	20:1	30:1	40:1
Gas Connections (NPT)	Ø Inch	1 1/2"	1 1/2"	1 1/2"	2"	2"
Max. NG Pressure	Inch W.C. (mbar)	20 (50)	20 (50)	20 (50)	20 (50)	20 (50)
Min. NG Pressure	Inch W.C. (mbar)	3.5 (8.7)	3.5 (8.7)	3.5 (8.7)	3.5 (8.7)	3.5 (8.7)
Max. LPG Pressure	Inch W.C. (mbar)	20 (50)	20 (50)	20 (50)	20 (50)	20 (50)
Min. LPG Pressure	Inch W.C. (mbar)	8 (19.9)	8 (19.9)	8 (19.9)	8 (19.9)	8 (19.9)
Water Connections	Ø Inch	3 "	3 "	4 "	4 "	4 "
Max. Allowable Working Pressure (MAWP)	PSI (bar)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)	80 (5.5)
Water Volume	Gallon (liter)	12 (46)	18 (69)	24 (92)	36 (138)	48 (184)
Vent/Air Intake Connections	Ø Inch (Ø mm)	6 (160)	6 (160)	6 (160)	8/10 (200/250)	8/10 (200/250)
Venting Materials	CPVC, PP, Stainless Steel AL29-4C					
Max Operating Temperature	°F (°C)	194 (90)	194 (90)	194 (90)	194 (90)	194 (90)
Max HE Allowable Temperature	°F (°C)	210 (98.9)	210 (98.9)	210 (98.9)	210 (98.9)	210 (98.9)
Ambient Storage Temperature	°F (°C)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)	5 to 158 (-15 to 70)
Ambient Operating Temperature	°F (°C)	32 to 120 (0 to 49)	32 to 120 (0 to 49)	32 to 120 (0 to 49)	32 to 120 (0 to 49)	32 to 120 (0 to 49)
Heat Exchanger Surface Area	SQFT (m2)	12.91 (1.2)	12.91 (1.2)	12.91 (1.2)	12.91 (1.2)	12.91 (1.2)
Standard Listings & Approvals	ETL, ASME, AHRI					
Electrical Req. 230-120V/1PH/60Hz		120VAC 11.5 FLA*	120VAC 17.2 FLA*	120VAC 23 FLA*	230VAC 18 FLA*	230VAC 24 FLA*
Weight (dry)	lbs (kg)	992 (450)	1,212 (550)	1,543 (700)	2,204 (1000)	2,866 (1300)
Dimensions WxHxD	Inch (mm)	33.3x67.2x60.8 846x1707x1544	33.3x67.2x60.8 846x1707x1544	33.3x83x60.8 846x1707x1544	35.4x83x72.8 899x2108x1849	35.4x83x72.8 899x2108x1849

(*) FLA (Full Load Amperage) – maximum current drawn by the boiler if all pumps reach rated horsepower

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The manufacturer strives to continuously improve all products. appearance, dimensions, technical specifications, standard equipment and accessories are therefore liable to modification without notice.

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