

Invitation to Bid

20160823-BOE

399,999 BTU

Armor Condensing Commercial Water Heater /Storage Tank

Responses to an Invitation to Bid will be received by the Purchasing Supervisor, Sumner County Board of Education, 1500 Airport Road, Gallatin, TN 37066 for 20160823-BOE until 9:30 a.m. local time August 23,2016 Bid responses will be opened at that time, taken under advisement and evaluated. All proposals are subject to the Board of Education's conditions and specifications which are available from Vicky Currey, Purchasing Supervisor (615) 451-6560. All bids can be viewed on line at www.sumnerschools.org.

NOTICE TO RESPONDENTS

Responses to an Invitation to Bid will be received by the Purchasing Supervisor in the SUPPORT SERVICE FACILITY CONFERENCE ROOM, Sumner County Board of Education, and 1500 Airport Road Gallatin, TN 37066. They will be received until **9:30 A.M. Local Time August 23, 2016** for) 399,999 BTU Armor Condensing Commercial Water Heater/Storage Tank at which time the responses will be opened, taken under advisement and evaluated. ***BIDS WILL BE POSTED ON www.sumnerschools.org***

GENERAL REQUIREMENTS AND CONDITIONS

1. The Sumner County Board of Education reserves the right to accept or reject any and/or all responses in whole or in part, and to waive informalities therein.
2. Any responses received after the scheduled closing time for the receipt for responses will not be considered.
3. If a mistake is discovered after the responses are received, only the Sumner County Board of Education may allow the respondent to withdraw the entire response.
4. Partial payments will not be approved unless justification for such payment can be shown. Terms will be net 30 days.
5. Payment will not be made until the said **399,999 BTU Armor Condensing Commercial Water Heater /Storage Tank** are inspected and approved as meeting all specifications by persons appointed by the Sumner County Board of Education.
6. Responses submitted must be in a sealed envelope and marked on the outside as follows:
RESPONSE: 20160823-BOE 399,999 BTU Armor Condensing Commercial Water Heater/Storage Tank
DEADLINE: August 23, 2016 9:30 a.m.
7. Facsimile responses will not be considered.
8. If a successful bidder violates any terms of their bid, the contract, school board policy or any law they may be disqualified from bidding for a period of two years for minor violations or longer for major violations. Bids from disqualified bidders will not be accepted during the period of disqualification.
9. Prices quoted on the response (if any) are to be considered firm and binding until the said **Water Heater** are in the possession of the Sumner County Board of Education.
10. No purchase or contract is authorized or valid until the issuance of a Board Purchase Order in accordance with Board Policy. No Board Employee is authorized to purchase equipment, supplies or services prior to the issuance of such a Purchase Order.
11. Any deviation from these stated terms, specifications and conditions must be coordinated with and approved in writing by the Purchasing Supervisor, Vicky Currey (615) 451-6560.
12. All bids that exceed \$25,000 must have the Company Name, License Number, and Expiration Date thereof and License Classification of Contractor listed on outside of sealed envelope. As required by State of Tennessee Code Annotated 62-6-119.
13. The awarded bidder will be required to post a performance and payment bond in the amount of 25% of the contract price if it exceeds \$100,000 as stated by State of Tennessee Code Annotated 12-4-201.
14. If the project cost in excess of \$25,000 a performance bond must be secured by the requesting party in an amount equal to the market improvement value.



FREE SHIPPING ON ORDERS OVER \$99

Enter Product or SKU #

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399,999 BTU Armor Condensing Commercial Water Heater

SKU: AWN400PM Brand: Lochinvar



FREE SHIPPING
On This Item



Be the first to [Write a Review](#)

QTY PRICE
~~\$11,799.95~~ / each

In Stock at Supplier! Ships in 2-3 Days
(2 Available)

[Overview](#) [Reviews](#) [Product Q & A](#) [Videos](#)

Resources

- [Brochure](#)
- [Product Overview](#)
- [Submittal Sheet](#)
- [Install Instructions](#)
- [Pump Selection Chart](#)
- [Service Manual](#)
- [Replacement Parts List](#)
- [Smart System User Guide](#)
- [Wiring Guide](#)
- [Warranty Info](#)

Specs

BTU Input:	399999
Capacity (Gallons):	3.4
GPH @ 100 Deg F Rise:	475
Flow Rate:	34.5 GPM
Water Connection:	2"
Gas Connection:	1"
Vent Size:	4"
ASME:	Yes
Weight (lbs):	295 lbs
Height (Inches):	42.5
Depth (Inches):	27"

Description for Lochinvar AWN400PM

Lochinvar ARMOR is a fully condensing commercial gas water heater that delivers long-lasting life-cycle efficiency surpassing any commercial unit in its class. When you look beyond the numbers, you'll discover the many ways that ARMOR technology is in a class by itself!

ARMOR features advanced Negative Regulation (Neg/Reg) sealed combustion technology, permitting fan speed to constantly adjust the volume of fuel and air entering the burner. This ensures that ARMOR can safely and reliably operate with supply gas pressure as low as 4 inches water column. ARMOR is also equipped with fully modulating combustion with 5:1 turndown. This means ARMOR can fire as low as 20% of maximum input when water heating demand is lowest, and increase the firing rate up to 100% as demand increases. The result is better overall efficiency and less cycling, compared to all other tank-type units which are "on-off," which means they can only fire at 100% of maximum input.

With standard tank-type water heaters, your choices are limited when it comes to matching input with storage capacity to meet "peak demand" delivery requirements. With ARMOR, you can match one or more water heaters with inputs ranging from 150,000 to 800,000 with one or more storage tanks in a wide variety of sizes. Another advantage of the ARMOR "dual component" system is lower replacement costs. Standard tank-type designs require replacement of the entire water heater. With ARMOR, you'll save time and money by only replacing individual components as needed, such as the pump or storage tank.

Features:

- Up to 98% Efficiency
- Modulating Burner with 5:1 Turndown
 - Direct-Spark Ignition
 - Low NOx Operation
 - Sealed Combustion
 - Low Gas Pressure Operation
- Vertical & Horizontal Direct-Vent

7/29/2016

AWN400PM - Lochinvar AWN400PM - 399,999 BTU Armor Condensing Commercial Water Heater

Warranty: 5 Year Limited
Warranty / 1 Year
Parts Warranty

Width (Inches): 15-1/2"

Vent Type: IV/PVC/CPVC/SS

**Max Pressure
(PSI):** 160

Fuel Type: Natural Gas

Application: Plumbing

- PVC, CPVC or SS Venting up to 100 Feet
- PVC/CPVC Sidewall Vent Termination
- Stainless Steel Heat Exchanger
- All Welded Construction, Gasketless Design
- ASME Construction (AW 285-800)
- Natural to L.P. Conversion Kit
- All Bronze Circulating Pump
- On/Off Switch
- Flow Switch
- ASME Temperature & Pressure Relief Valve
- Temperature & Pressure Gauge (AW 500-800)
- Downstream Test Valves (AW 500-800)
- Adjustable Leveling Legs
- Tank Sensor
- Manual Reset High Limit
- Condensate Trap
- Zero Clearances to Combustible Material
- 5 Year Limited Warranty / 1 Year Parts Warranty (See warranty for details)

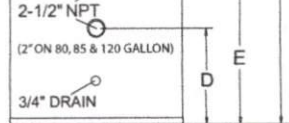
SMART SYSTEM Digital Operating Control Features:

- 2 line, 16 Character Display
- Dual Level Password Security
- Built in Cascading Sequencer for up to 8 Water Heaters
- Building Management System Integration with 0-10 VDC Input
- Low Water Flow Safety Control & Indication
- Inlet & Outlet Temperature Sensors & Readout
- Flue Temperature Sensor
- Water Heater Pump Control
- Pump Delay with Freeze Protection
- Pump Exercise
- Night Setback
- Time Clock
- Service Reminder

PLEASE NOTE: The product weighs 292 lbs. and may require the use of a lift gate. If you do require a lift gate at your delivery, you'll have the option to add this FREE of charge when you checkout.

Glass Lined only

*A = ASME Construction / S = Standard Construction



Vertical Round Jacketed ASME Tanks

Model Number	Gal. Cap.	A	B	D	Shipping Weight (lbs.)		
					E	125 psi	150 psi
R*A0257	257	91"	34"	18"	26"	904	904
R*A0318	318	80"	40"	19-1/2"	27-1/2"	987	987
R*A0432	432	80"	46"	21"	29"	1,188	1,188
R*A0504	504	92"	46"	21"	29"	1,329	1,329
R*A0650	650	92"	52"	23-1/2"	31-1/2"	1,817	1,817
R*A0752	752	104"	52"	23-1/2"	31-1/2"	2,030	2,030
R*A0940	940	128"	52"	23-1/2"	31-1/2"	2,710	2,710

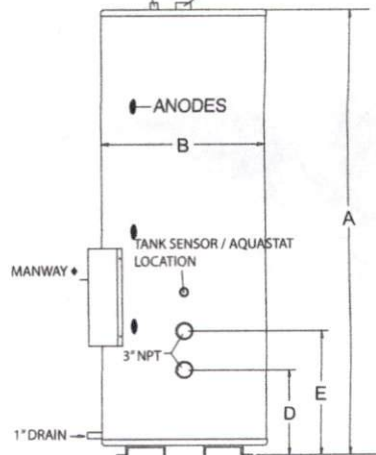
* Indicates tank lining.

G=Glass Lined

C=Cement lined

◆ The manway is optional on 257 and 318 gallon glass-lined tanks. The manway is standard on 432 gallon glass lined tanks and larger. The manway is standard on all cement lined tanks.

1-1/4" T&P CONNECTION 2" NPT OUTLET



Vertical Square Jacketed ASME Tanks

Model	Gal	Shipping Weight (lbs.)
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SUMNER COUNTY BOARD OF EDUCATION

Purchasing Department
1500 Airport Road
Gallatin, TN 37066

COMPANY NAME _____

ADDRESS _____

TELEPHONE _____

EMAIL _____

AUTHORIZED COMPANY REPRESENTATIVE _____ *SIGNATURE*

AUTHORIZED COMPANY REPRESENTATIVE _____ *PRINTED*

DATE _____

BID TITLE 20160823-BOE 399,999 BTU Armor Condensing Commercial Water Heater/Storage Tank

DEADLINE August 23 2016 @ 9:30 a.m. local Time

BID AMOUNT \$ _____

BID GOOD THRU _____

NOTES: _____
