

STEAM WORKSHEET

UL-FILE # E39545

NAT. BD# 125437

SERIAL # 125437

DATE (M/D/Y) 5 / 18 / 2021

CRN # _____



4407 Martinsburg Pike P: 540-662-3811
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NAMEPLATE RATINGS:

(TO BE COMPLETED BY THE SALES DEPARTMENT)

PART NUMBER AR8E1F
MODEL AR8
POWER SUPPLY VOLTAGE 240
CONTROL VOLTAGE 120
PHASE 1
FREQUENCY (HZ) 60
MAX. W.P. 100
KILOWATTS 8KW
POWER SUPPLY WIRE SIZE 10

(TO BE COMPLETED BY THE ENGINEERING DEPARTMENT)

WIRE DIAGRAM NO.

02.11.X, 30.40.X

REV _____

TESTING SEQUENCE (TO BE COMPLETED BY THE QUALITY CONTROL MANAGER/CERTIFIED INDIVIDUAL)

A. HYDROSTATIC TEST OF COMPLETED BOILER:

PSIG 100 PERFORMED BY B. Butts DATE 5/18/21 SATISFACTORY YES ☒ NO ☐

B. DIELECTRIC VOLTAGE WITHSTAND TEST: (IAW UL834)

VOLTS 1200 PERFORMED BY B. Butts DATE 5/18/21 SATISFACTORY YES ☒ NO ☐

C. SAFETY RELIEF VALVE: MANUFACTURER CONBRACO Model # _____

STEAM BOILER ☒

HOT WATER BOILER ☐

MAX. W. P. 100 PSIG (VALVE ASME PLATE)

MAX. W. P. _____ PSIG (VALVE ASME PLATE)

CAPACITY 423 PPH (VALVE ASME PLATE)

CAPACITY _____ BTU/HR (VALVE ASME PLATE)

SIZE 1/2 IN

SIZE _____ IN

REQUIRED CAPACITY (PPH = 3.5 x kW) 28 PPH

REQUIRED CAPACITY (BTU/HR = 3412 x kW) _____ BTU/HR

MAX. TEMPERATURE _____ °F

OPERATIONAL TEST PERFORMED BY B. Butts DATE 5/18/21 SATISFACTORY YES ☒ NO ☐

D. HEATING ELEMENT TESTING: AMPS 31.9 VOLTS 240 TOTAL KW 8

PERFORMED BY B. Butts DATE 5/18/21 SATISFACTORY YES ☒ NO ☐

E. SAFETY LIMIT CONTROLS (REF: ASME CSD-1, CG-500)

	OPERATIONAL TEST	SETTING	DATE	MANUFACTURER	MFG. MODEL #	PART#
LOW WATER CUTOFF	PERFORMED BY	PSI/°F				
AUTO RESET	<u>N/A</u>	<u>X</u>				
MANUAL RESET		<u>X</u>		<u>REIMERS</u>	<u>04316</u>	<u>04316</u>
PRESSURE CONTROLS						
HIGH LIMIT		<u>90</u>		<u>TECMARK</u>	<u>03155-ED</u>	<u>04296</u>
OPERATING #1		<u>40</u>		<u>TECMARK</u>	<u>03156-EC</u>	<u>04163</u>
OPERATING #2	<u>N/A</u>					
TEMPERATURE CONTROLS						
HIGH LIMIT	<u>N/A</u>					
OPERATING CONTROL						

F. CHECKOUT: CHECKOUT LIST NO. _____ SATISFACTORY YES ☐ NO ☐

Rep. Reimers Electra Steam, INC. (Name) BRAD BUTTS

DATE 5/18/21 Signature Brad Butts

Rep. Installer Contractor (Name) _____

DATE _____ Signature _____



Replacement Parts List

Model Number: AR8E1F

BOILER AR812, 8KW 240V 1PH 100

**Reimers Electra Steam
4407 Martinsburg Pike
Clear Brook, VA 22624**

**Toll Free: 1-800-872-7562
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Website: www.reimersinc.com**

<u>Part Number</u>	<u>Description</u>
03445	CONTACTOR 35A 120V 2P DEFINITE
MBJ135	ELECTRODE FITTING 135 MM/5.3"
04313	ELEMENT 240V 4000W 1P INCOLOY
02281	FLANGE GASKET 2.5" SQUARE 1/16
03431	FUSE 250V 5A 3AG GLASS 312 SER
02396	GAUGE FIXTURE SET .5" NPT BRZ
05594	GAUGE GLASS .625" X 4" DURAN H
04163	PRESSURE CONTROL 60# OPERATING
04296	PRESSURE CONTROL 90# HI LIMIT
04661	PRESSURE GAUGE 2" 0-160# BRZ .
04316-20	RELAY SOLID STATE 120V 30A 1P *** INVALID BILL ***
20592	RESET SWITCH & WIRE TO RELAY J J,JG BOILER
02692	VALVE CHECK .5" NPT BRZ 125# W
02637	VALVE SAFETY .5" NPT BRZ 100#
05604	VALVE SOLENOID .375" BRZ 120/6
OPT1012-AR	OPTION AUXILARY LOW WATER CUTOFF