

**FORM P-2A MANUFACTURERS' DATA REPORT FOR ALL TYPES OF ELECTRIC BOILERS**  
**As Required by the Provisions of the ASME Code Rules, Section I**

**PART I - To Be Completed by the Manufacturer of the Boiler Pressure Vessel**

1. Manufactured by Chromalox Precision Heat and Control. Carretera Nacional Km 8.5, Modulo Ind. America Lote # 5 & 6 Nuevo Laredo, Tamps. 88277, Mexico.  
(Name and address of manufacturer of boiler pressure vessel)

2. Manufactured for STOCK  
(Name and address of purchaser)

3. Location of Installation UNKNOWN  
(Name and address)

4. Type RESISTANCE ELEMENT Boiler No. 46142 K2320.53462Y17T890  
(resistance element, electrode.) (Mfr's. Serial No.) (CRN)  
049-300316-008 Rev. 24 6142 Year Built 2014  
(Drawing No.) (Nat'l. Brd. No.)

5. The chemical and physical properties of all parts meet the requirements of Material Specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design conforms to Section I of the ASME BOILER AND PRESSURE VESSEL CODE 2013  
(year)

Addenda to \_\_\_\_\_, and Code Cases \_\_\_\_\_  
(Date) (Numbers)

Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report:  
NONE

6. Shells or drums: 1 SA 53 GR B .250" 10.25" 17"  
(no.) (mat'l. spec. gr.) (thickness) [dia. (ID)] (length, inside) [dia. (ID)] (length, inside)

7. Joints: E 1 FULL PEN. 1  
[long (seamless, welded)] [efficiency (as compared to seamless)] [girth (seamless, welded)] (no. of shell courses)

8. Heads SA 516-70, 1/2" FLAT  
(Mat'l Spec. No.: thickness - flat, dished, ellipsoidal - radius of dish)

9. Other Parts. 1. COUPLINGS & THD FLNGS 2. BRACKET ANGLE 3. NOZZLE  
(Brief Description - i.e., Dome, Boiler Piping, etc.)

1. COUPLINGS 2 @ 1/2" 3000# SA 105, THRD FLANGE 5 @ 1/2" SA 181-70 & 1 @ 1" SA 181-70.

2. SA 36, 1-1/4" X 1-1/4" X 1/8", 1-1/2" X 1-1/2" X 1/4".

3. SA 106 B SEAMLESS 4" XXS (.674 WALL)  
(Mat'l Spec., Gr, size, material thickness, MAWP)

10. Openings (a) Steam (1), 1/2" NPT (b) Safety Valve (1), 1/2" NPT  
(No., size, and type) (No., size, and type)

(c) Blowoff (1), 1/2" NPT (d) Feed (1), 1/2" NPT, SHELL  
(No., size, and type) (No., size, type and location)

(e) Manholes: No. N/A Size \_\_\_\_\_ Location \_\_\_\_\_

(f) Handholes: No. N/A Size \_\_\_\_\_ Location \_\_\_\_\_

(g) Elements / Electrodes: No. 1 Size 4 PIPE Location HEAD

11. Boiler Supports: No. 2 Type LEGS  
(Saddles, Legs, Lugs)

Attachment WELDED  
(bolted or welded)

12. MAWP 100 psi Based on PMB, PEB, PG27, 31 & 33  
(Code para. and/or formula)

13. Shop Hydrostatic Test 300 psi 14. Maximum Designed Steaming Capacity 105 lb/hr

15. Remarks: EXTERNAL PIPING IN ACCORDANCE WITH PG58, PEB18 AND B31.1

P-6 FORM FOR EXTERNAL PIPING

**CERTIFICATE OF COMPLIANCE OF BOILER PRESSURE VESSEL**

We certify the statements in Part I of this Data Report to be correct.

Our Certificate of Authorization no. 38434 to use the (S) or (M) M

Designator expires APRIL 13, 2015

Date 11/21/14 Signed [Signature] Name Chromalox Precision Heat and Control  
(Authorized Representative) (Mfr. of boiler pressure vessel)

# FORM P-2A (Back)

Boiler No. 46142

K2320.53462Y17T

049-300316-008

6142

890

Rev.24

Mfr's Serial No.

CRN

Drawing No.

National Board No.

## CERTIFICATE OF SHOP INSPECTION OF BOILER PRESSURE VESSEL

BOILER PRESSURE VESSEL MADE BY Chromalox precision heat and control at Carr. Nacional Km 8.5, Nuevo Laredo, Tamps.  
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by

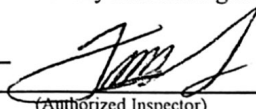
OneCIS Insurance Company have inspected parts of this boiler pressure vessel referred to as data items 6-14

and have examined Manufacturer's Partial Data Reports for items NONE

and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler pressure vessel in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11/25/14

  
(Authorized Inspector)

Commissions NB 12005 (A) (B)

[National Board Number and Endorsement]

### Part II-To Be Completed by the Manufacturer Responsible for the Completed Boiler

16.

| Item            | Piping   |      |          |                             | Valves |        |         |     |
|-----------------|----------|------|----------|-----------------------------|--------|--------|---------|-----|
|                 | Size     | Sch. | Spec.    | Bolted, Threaded, or Welded | Size   | Type   | Rating  | No. |
| (a) Steam Pipe. | 1/2" NPT | 40   | B43      | THREADED                    | 1/2"   | GATE   | 125 WSP | 1   |
| (b) Feed Water  | 1/2" NPT | 40   | SA 106 B | THREADED                    | Stop   | BALL   | 125 WSP | 1   |
| Feed Water      |          |      |          |                             | Check  | SPRING | 125 WSP | 2   |
| (c) Blowoff     | 1/2" NPT | 40   | B43      | THREADED                    | 1/2"   | GATE   | 125 WSP | 1   |

17. Pressure Relief Valve(s) No. 1 Size 1/2" X 3/4" Set Press 100 psi Total Capacity 646 lb/hr

18. Heating Elements installed: Quantity 1 Total Power Input 30 KW

19. Electrodes: Quantity --- Total Power Input ---

20. Hydrostatic Test of Completed Boiler 150 psi MAWP of completed boiler 100 psi

21. Serial No. Assigned by Manufacturer Responsible for Completed Boiler 46142

## CERTIFICATE OF COMPLIANCE OF COMPLETED BOILER

We certify that this completed boiler conforms with the requirements of SECTION I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 38434 to use the (S), (M), or (E) M

Designator expires APRIL 13, 2015

Date 11/24/14 Signed  By Chromalox Precision Heat and Control

(Check one) ☐ Authorized Representative  
☒ Certified Individual

(Assembler)

## CERTIFICATE OF SHOP INSPECTION OF COMPLETED BOILER

BOILER MADE BY \_\_\_\_\_ at \_\_\_\_\_

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province

of \_\_\_\_\_ and have inspected the completed

boiler and have examined Manufacturer Partial Data Reports for \_\_\_\_\_

and state that to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date \_\_\_\_\_

(Authorized Inspector)

Commissions

[National Board Number and Endorsement.]