

**FORM H-3 MANUFACTURER'S DATA REPORT FOR WATERTUBE BOILERS AND ECONOMIZERS**

**As Required by the Provisions of the ASME Code Rules, Section IV  
MANUFACTURER'S MASTER DATA REPORT (check one) YES  NO**

Page \_\_\_\_\_ of \_\_\_\_\_

1. Manufactured and certified by \_\_\_\_\_  
(name and address of manufacturer)

2. Manufactured for \_\_\_\_\_  
(name and address of purchaser)

3. Location of installation \_\_\_\_\_  
(name and address)

4. Unit identification \_\_\_\_\_  
(complete boiler, superheater, waterwall, economizer, etc.) (manufacturer's serial no.) (CRN) (drawing no.) (National Bd. no.) (year built)

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 ASME Code, Section IV, \_\_\_\_\_ (year) \_\_\_\_\_ [addenda (as applicable)(date)] \_\_\_\_\_ (Code Case no.)

6. (a) Drums:

No.	Inside Diameter	Inside Length	Shell Plates			Tube Sheets		Tube Hole Ligament Efficiency, %	
			Material Spec. Grade	Thickness	Inside Radius	Thickness	Inside Radius	Longitudinal	Circumferential
1									
2									

No.	Longitudinal Joints		Circum. Joints		Heads				Hydrostatic Test
	No. & Type*	Efficiency	No. & Type	Efficiency	Material Spec. Grade	Thickness	Type**	Radius of Dish	
1									
2									

\*Indicate if (1) seamless, (2) fusion welded.

\*\*Indicate if (1) flat, (2) dished, (3) ellipsoidal, (4) hemispherical.

6. (b) Boiler tubes:

Diameter	Thickness	Material Spec. No. Grade	No.	How Attached

6. (c) Headers no \_\_\_\_\_ or \_\_\_\_\_  
(box or sinuous or round, material spec. no., thickness)

Heads or ends \_\_\_\_\_ Hydro. test \_\_\_\_\_  
(shape, material spec. no., thickness)

6. (d) Staybolts \_\_\_\_\_  
(material spec. no., diameter, size telltale, net area)

Pitch \_\_\_\_\_ Net area \_\_\_\_\_ Design pressure \_\_\_\_\_  
(supported by one bolt)

6. (e) Mud drum \_\_\_\_\_ or \_\_\_\_\_ Heads or ends \_\_\_\_\_  
(for sect. header boilers state size, shape, material spec. no., thickness) (shape, material spec. no., thickness)

7. Waterwall headers:

No.	Size and Shape	Material Spec. No. Gr.	Thickness	Shape	Thickness	Material Spec. No. Gr.	Hydro. Test	Diameter	Thickness	Material Spec. No. Gr.
1			or							
2										
3										

8. (a) Other parts or economizers (1) \_\_\_\_\_ (2) \_\_\_\_\_ (3) \_\_\_\_\_ (b) Tubes for other parts or economizers \_\_\_\_\_

1										
2										
3										

9. Nozzles, inspection, and pressure relief valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	How Attached	Material	Nom. Thickness	Reinforcement Material	Location
Handhole					NA		NA	
Manhole								

Manufactured by \_\_\_\_\_

Mfr's Serial No. \_\_\_\_\_ National Board No. \_\_\_\_\_

10.

		MAWP	Maximum water temp.	Shop Hydro. Test	Heating Surface
a	Boiler				
b	Waterwall				
c	Superheater				
d	Other parts				
e	Economizers				

Heating surface to be stamped on drum heads.  
This heating surface not to be used for determining minimum pressure relief valve capacity.

11. Field Hydro. Test

12. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report \_\_\_\_\_

(name of part, item number, manufacturer's name, and identifying stamp)

13. Remarks \_\_\_\_\_

**CERTIFICATE OF SHOP COMPLIANCE**

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization No. \_\_\_\_\_ expires \_\_\_\_\_, \_\_\_\_\_.

Date \_\_\_\_\_ Signed \_\_\_\_\_ Name \_\_\_\_\_  
(by representative) (manufacturer that constructed and certified boiler)

**CERTIFICATE OF SHOP INSPECTION**

Boiler constructed by \_\_\_\_\_ at \_\_\_\_\_.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by \_\_\_\_\_

\_\_\_\_\_ have inspected parts of this boiler referred to as data items \_\_\_\_\_ and

have examined Manufacturer's Partial Data Reports for items \_\_\_\_\_

and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler in accordance with Section IV 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 \_\_\_\_\_ Signed \_\_\_\_\_ Commission \_\_\_\_\_  
(Authorized Inspector) (National Board Authorized Inspector Commission Number)

**CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE**

We certify that the field assembly construction of all parts of this boiler conforms with the requirements of Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. \_\_\_\_\_ expires \_\_\_\_\_, \_\_\_\_\_.

Date \_\_\_\_\_ Signed \_\_\_\_\_ Name \_\_\_\_\_  
(by representative) (assembler that certified and constructed field assembly)

**CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by \_\_\_\_\_

\_\_\_\_\_ have compared the statements in this Manufacturer's Data Report with the described boiler and state that

the parts referred to as data items \_\_\_\_\_ not included in the certificate of shop inspection, have been inspected by me

and that to the best of my knowledge and belief the manufacturer and/or the assembler has constructed and assembled this boiler in accordance with

Section IV of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test

of \_\_\_\_\_.

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 \_\_\_\_\_ Signed \_\_\_\_\_ Commission \_\_\_\_\_  
(Authorized Inspector) (National Board Authorized Inspector Commission Number)