

# ASME MDR Form P-3

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## FORM P-3 MANUFACTURERS' DATA REPORT FOR WATER-TUBE BOILERS, SUPERHEATERS, WATERWALLS, AND ECONOMIZERS

As Required by the Provisions of the ASME Code Rules

1. Manufactured by E. KEELER COMPANY - 238 West Street - Williamsport, Pa.  
(Name and address of manufacturer)

2. Manufactured for VETERANS ADMINISTRATION HOSPITAL, CHATEAUVILLE, PA.  
(Name and address of purchaser)

3. Identification WATER TUBE Boiler No. 16579-1 Serial No. 4399 Year Built 1968  
(Type of boiler, superheater, waterwall, economizer) (Date and State No.) (Serial No.)

4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section I or IV Dated 1965

Remarks: Manufacturers' 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)

CODE PIPING TO WATER COLUMN & DRAIN VALVE, WATER GAUGE & DRAIN VALVE, FLOOD STOP & CHECK VALVE, STOP VALVE & VALVES, STEAM PRESSURE GAUGE, HIGH DRAIN VALVE, LOW WATER CUT-OFF, THERM WATER ALARM

We certify the statement in this data report to be correct.

Date JAN 31 1968 Signed E. Keeler Company By K. O. Smith  
(Manufacturer) (Inspector)

Certificate of Authorization Expires DECEMBER 31, 1970

### CERTIFICATE OF SHOP INSPECTION

BOILER MADE BY E. KEELER COMPANY at Williamsport, Pa.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pa. and employed by Hartford Steam Boiler Inspection & Insurance Company of Hartford, Connecticut

have inspected parts of this boiler referred to as data item 17098 INCL. 6A 10, 11 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 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 JAN 31 1968

Mark H. Butt Inspector Commission Expires N/A 1969  
(Inspector) (Date)

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

Date \_\_\_\_\_ 19\_\_\_\_ Signed \_\_\_\_\_ By \_\_\_\_\_  
(Inspector) (Manufacturer) (Inspector)

Our Certificate of Authorization to use the \_\_\_\_\_ Symbol expires \_\_\_\_\_ 19\_\_\_\_  
(A or B)

### CERTIFICATE OF FIELD ASSEMBLY INSPECTION

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

have compared the statements in this manufacturer's data report with the described boiler and state that the parts referred to as data item \_\_\_\_\_, 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 the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of \_\_\_\_\_ psi.

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 \_\_\_\_\_ 19\_\_\_\_

Mark H. Butt Inspector Commission Expires N/A 1969  
(Inspector) (Date)

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**Form P-3 (cont.)**

5(a) Drums											
No.	Nominal diameter, in.	Length, in.	Shell plates				Tube sheets		Tube hole ligament efficiency		
			Brand	Material spec. no.	Thickness	Inside radius	Thickness	Inside radius	Longitudinal	Circumferential	Chamfered
1	36	16	7	E.B.	SA-515-60.20	5/8	18	5/8	18	43.1	23.6
2	24	16	1	E.B.	SA-515-60.20	5/8	12	5/8	12	36.7	16.93
3											
4											
5											

5(b) Header Tubes												
No.	Longitudinal joints		Circum. joints		Brand	Material spec. no.	Heads					Hydrostatic test, lb.
	No. & type	Eff. class	No. & type	Eff. class			Thickness		Type <sup>1</sup>	Radius of dish	No. Strakes	
1	1-2	90	2-2	90	E.B.	SA-515-60.20	5/8	40	2	33	8-12 x 16	300
2	1-2	90	2-2	90	E.B.	SA-515-60.20	5/8	40	2	26	2-12 x 16	300
3												
4												
5												

\*Indicate if (1) Flange; (2) Fusion welded; (3) Forge welded; (4) Riveted.

\*\*Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical.

Diameter	Thickness	Material specification no.
2	0.095	SA-178-60.20

**5(c) Headers No.**

(Size or diameter; Mat. spec. no.; Thickness)

Heads or Ends \_\_\_\_\_ Hydros. Test, lb. \_\_\_\_\_  
(Shape; Mat. spec. no.; Thickness)

**5(d) Supports**

(Dist. spec. no.; Min. area; Max. outside, dist. area)

Pinch \_\_\_\_\_ Net Area \_\_\_\_\_ Max. S.W.P. \_\_\_\_\_  
(Supported by one bolt)

**5(e) Mid Drum**

(For cond. header bottom; State size; Shape; dist. spec. no.; Thickness)

Head or Ends \_\_\_\_\_ Hydros. Test, lb. \_\_\_\_\_  
(Shape; Mat. spec. no.; Thickness)

6(a) Waterwall Headers				Heads or Ends			6(b) Waterwall Tubes			
No.	Size and shape	Material spec. no.	Thickness	Shape	Thickness	Material spec. no.	Hydro. test, lb.	Diameter	Thickness	Material spec. no.
								2	0.095	SA-213-60.20

7(a) Economizer Headers				Heads or Ends			7(b) Economizer Tubes			
No.	Size and shape	Material spec. no.	Thickness	Shape	Thickness	Material spec. no.	Hydro. test, lb.	Diameter	Thickness	Material spec. no.

8(a) Superheater Headers				Heads or Ends			8(b) Superheater Tubes			
No.	Size and shape	Material spec. no.	Thickness	Shape	Thickness	Material spec. no.	Hydro. test, lb.	Diameter	Thickness	Material spec. no.

9(a) Other Parts (1) _____ (2) _____ (3) _____				9(b) Tubes for Other Parts			
1							
2							
3							

10 Openings (1) Screen 1-6" x 1-1/2" x 1/8" INCLINED MESH  
(Size, shape, and type of opening or outlet)

(2) Safety Valve 1-2" x 1-2" x M.V.V. COUPL.  
(Size, shape, and type of opening or outlet)

(3) Blowoff 1-1/2" ST. ELCOU  
(Size, shape, and type of opening or outlet)

(4) Feed 1-1/2" x M.V.V. COUPL. FRONT MESH  
(Size, shape, and type of opening or outlet)

	Minimum Allowable Working Pressure	Code for material	Shop hydro. test	Working pressure
a Boiler	200	AS-27	300	205.2
b Waterwall	200	AS-27	300	205.2
c Economizer				
d Superheater				
e Other parts				

Working surface to be covered on shop tests.

This working surface will be used for determining minimum safety valve setting.

11	Field hydro. test