

**FORM P-3 MANUFACTURER'S DATA REPORT FOR WATERTUBE BOILERS, SUPERHEATERS,
WATERWALLS, AND ECONOMIZERS**

As Required by the Provisions of the ASME Code Rules, Section I

**MASTER DATA REPORT YES
(Check one) NO**

1. Manufactured by CLEAVER BROOKS (example)
(Name and address of manufacturer)
2. Manufactured for xxxxxxx (example)
(Name and address of purchaser)
3. Location of installation street address, Vancouver, BC, Canada (example)
(Name and address)
4. Unit identification CONVECTION OIL HEATER ID Nos. 1234-5678-910 C9876.543 1a-23333 456 1999
(Completes boiler, superheater, waterwall, economizer, etc.) (Manufacturer's Serial No.) (CRN) (Drawing No.) (Nat'l. Board 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 Section I of the ASME BOILER AND PRESSURE VESSEL CODE 1996
(Year)
- Addenda to 1998 (Date) (if applicable), and Code Cases _____ (Numbers)

Supporting Manufacturer's Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report:

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

6(a). Drums

No.	Inside Diameter	Inside Length	Shell Plates			Tubesheets		Tube Hole Ligament Efficiency, %	
			Material Spec. No., Grade	Thickness	Inside Radius	Thickness	Inside Radius	Longitudinal	Circumferential
1									
2									
3									

No.	Longitudinal Joints		Circum. Joints		Heads					Hydro-static Test
	No. & type*	Efficiency	No. & type	Efficiency	Material Spec. No., Grade	Thickness	Type**	Radius of Dish	Manholes No. Size	
1										
2										
3										

*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

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 _____ MAWP _____
(Horizontal and Vertical) (Supported by one bolt)

6(e). Mud Drum _____ or _____ Hydro. test _____
(For sect. header boilers. State Size; Shape; Material spec. no.; Thickness) (Shape; Material spec. no.; Thickness)

7(a). Waterwall Headers

No.	Size and Shape	Material Spec. No.	Thickness	Heads or Ends			Hydro. Test	7(b). Waterwall Tubes		
				Shape	Thickness	Material Spec. No.		Diameter	Thickness	Material Spec. No.
2	12" RD	SA106B	0.375"	FLAT	0.625	SA516-70	225 psi	2"	0.120	SA178-A
	10.02" RD	SA106B	0.365	10" FLG	SCH 40	SA105				
	12" TEE	SA234	SCH 40	12" FLG	SCH 40	SA105				

8(a). Economizer Headers

No.	Size and Shape	Material Spec. No.	Thickness	Shape	Thickness	Material Spec. No.	Hydro. Test	Diameter	Thickness	Material Spec. No.

8(b). Economizer Tubes

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9(a). Superheater Headers				Heads or Ends			9(b). Superheater Tubes			
No.	Size and Shape	Material Spec. No.	Thickness	Shape	Thickness	Material Spec. No.	Hydro. Test	Diameter	Thickness	Material Spec. No.

10(a). Other Parts (1) _____ (2) _____ (3) _____						10(b). Tubes for Other Parts				
1	2	3	4	5	6	7	8	9	10	11

11. Openings (1) Steam INLES 12" FLG 300# SA105 SCH 40 (2) Pressure Relief Valve INSTRUMENT 1-10" SCH 40 FLANGE
 (No., size, and type of nozzles or outlets) (No., size, and type of nozzles or outlets)
 (3) Blowoff OUTLET 12" FLG 300# SA105 SCH40 (4) Feed _____
 (No., size, and type of nozzles or outlets) (No., size, type, and location of connections)

12.		Maximum Allowable Working Pressure	Code Par. and/or Formula on Which MAWP Is Based	Shop Hydro. Test	Heating Surface	13. Field Hydro. Test
a	Boiler	150	PG 27	225	13.481	
b	Waterwall					
c	Economizer					
d	Superheater					
e	Other Parts					

14. Maximum Designed Steaming Capacity _____

15. Remarks

- 1) UNIT SIZED FOR MAXIMUM HEAT TRANSFER OUTPUT OF 47.5 MM BTU/HR
- 2) MASTER STAMPING ON INLET HEADER FLANGE. 3) HEADERS HEAT TREATED PER ASME SECTION 1, PW 39

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 I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 67890 to use the (S) S Designator expires SEPTEMBER 15, 2015
 Date AUG 1 2015 Signed [Signature] Name CLEAVER BROOKS
(Authorized Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Boiler made by CLEAVER BROOKS at VANCOUVER, BC

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

XXXXXXXXXX have inspected parts of this boiler referred to as data items XXXX
XXXXXXXXXX and have examined Supporting Manufacturer's Data Reports for items XXX
XXXXXXXXXX and state that, to the best of my knowledge and belief, the Manufacturer has constructed this boiler in accordance with Section I 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 AUG 1 2015 Signed [Signature] Commission XXXXXXX
(Authorized Inspector) [National Board Authorized Inspector Commission Number]

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

Our Certificate of Authorization No. _____ to use the (A) or (S) _____ Designator expires _____
 Date _____ Signed _____ Name _____
(Authorized Representative) (Assembler)

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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 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 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 _____ Signed _____ Commission _____
(Authorized Inspector) [National Board Authorized Inspector Commission Number]