FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by BOS-HATTEN, INC. FRENCH & OLD UNION RDS. WEST SENECA, NY 14224 (Name and address of manufacturer)
2. Manufacturer for GENERAL ELECTRIC PLASTICS DIV. MT. VERNON, IN 47620 (Name and address of purchaser)
3. Location of installation GENERAL ELECTRIC PLASTICS DIV. BLDG.#3 MT. VERNON, IN 47620 (Name and address)
4. Type HORIZ (Horiz., or vert. tank) Vessel No. 82-1624 (Mfgr's Serial No.) A821624A01 (CRN) 2864 (Drawing) (Nat'l Brd No.) Year Built 1982
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, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1980 (Year) and Addenda to W-81 (Date) and Code Case no. - Special service per UG-120(d) -

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: - (Name of part, item number, mfgr's name and identifying stamp)

Items 6-11 incl. to be completed for single walled vessels, jackets of jacketed vessels, or shells of heat exchangers

6. Shell: Material SA312-316L (Spec. No., Grade) Nominal Thickness .165 in. Corrosion Allowance - in. Diam. ft 10-3/4 in. Length 11 ft 10-3/8 in.
7. Seams: Longitudinal SMLS (ERW) (Welded, Dbl., Sngl., Lap, Butt) R.T. - (Spot or Full) Efficiency 100 % H.T. Temp - F Time - Girth BUTT WELDED TO T.S. (Welded Dbl., Dngl., Lap, Butt) R.T. - (Spot, Partial or Full) No. of Courses 1
8. Heads: (a) Material - (Spec. No., Grade) (b) Material - (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)	-					
(b)	-					

	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)				
(b)				

If removable, bolts used (describe other fastenings) - (Material, Spec. No., Gr., Size, No.)

9. Type of Jacket - Proof Test -
10. Jacket Closure - (Describe as ogee & weld, bar, etc.) If bar, give dimensions - If bolted, describe or sketch.
11. Constructed for max. allowable working pressure 100 psi at max. temp. 250 F Min. temp. (when less than -20 F) - F.
Hydrostatic, ~~pneumatic, combination~~ test pressure 150 psi

Items 12 and 13 to be completed for tube sections

12. Tubesheets: Stationary—Material SA 240-316L (Spec. No. Gr.) Diam. 14-5/8 (Subject to pressure) in. Nominal Thickness 1 in. Corrosion Allowance - in. Attachment WELDED (Welded, Bolted) Floating—Material - (Spec. No., Grade) Diam. - in. Nominal Thickness - in. Corrosion Allowance - in. Attachment -
13. Tubes: Material SA249-316L (Spec. No., Gr.) O.D. 3/4 in. Nominal Thickness 16 ~~XX~~ or gauge Number 77 Type STRAIGHT (Straight or "U")

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: Material SA240-316L (Spec. No., Gr.) Nominal Thickness .165 in. Corrosion Allowance - in. Diam. ft 10-3/4 in. Length 1 Pc ft 9-3/16 in. 1 Pc 5-11/16
15. Seams: Longitudinal SMLS (ERW) (Welded, Dbl., Sngl. Lap. Butt) R.T. - (Spot or Full) Efficiency 100 % H.T. Temp - F Time - Girth BUTT WELDED TO FLG&END PLT (Welded, Dbl., Sngl., Lap, Butt) R.T. - (Spot, Partial, or Full) No. of courses 1
16. Heads: (a) Material SA 240-316L (Spec. No., Grade) (b) Material - (Spec. No., Gr.)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)	ENDS	1-1/2"	-			
(b)	-					

	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)			10-3/8	
(b)				

If removable, bolts used (describe other fastenings) SA 193B7 5/8 x 11 4" LG 24 Pcs. (Material, Spec. No., Gr., Size, No.)

17. Constructed for max. allowable working pressure 100 psi at max temp. 250 F. Min. temp. (when less than -20 F) - F.
Hydrostatic, ~~pneumatic or combination~~ test pressure 150 psi.

Items below to be completed for all vessels where applicable

18. Safety Valve Outlets: Number Size Location IN PIPING

19. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
IN OUTLET	2	3"	150#	SA 105			SLIP-ON
IN OUTLET	2	4"	150#	SA 105			SLIP-ON
VENT & DRAIN	4	3/4NPT	3000#	SA 182			WELDED

20. Inspection Openings:
Manholes No. Size Location
Handholes No. Size Location
Threaded No. Size Location

21. Supports: Skirt (Yes or no) Lugs (No.) Legs (No.) Other MOVEABLE CRADLES (Describe) Attached BOLTED TO BOTTOM OF SHELL (Where and how)

22. Remarks: #10-144 BEM COOLER P.O. D-47043-61128MB
MARK ITEM L82017-001

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date 8/12/82 Signed BOS-HATTEN, INC. (Manufacturer) by John Palenski (Representative)

"U" Certificate of Authorization No. 296 expires JUNE 19 1985

CERTIFICATE OF SHOP INSPECTION

Vessel made by BOS-HATTEN, INC. at WEST SENECA

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 NEW YORK and employed by Hartford Steam Boiler I & I of Hartford, CT have inspected the pressure vessel described in this Manufacturers' Data Report on AUG. 13 1982 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers' 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. 13 1982 Signed (Inspector) Commissions NB 4629 (Nat'l Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date Signed (Manufacturer) by (Representative)

"U" Certificate of Authorization No. expires , 19

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 or Province of and employed by of have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that 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 has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

The described vessel 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 pressure vessel described in this Manufacturers' 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 (Authorized Inspector) Commisisons (Nat'l Board, State, Province and No.)