

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by Sistersville Tank & Boiler Works, Sistersville, W. Va.
(Name and address of Manufacturer)

2. Manufactured for Connecticut Light and Power Co., Waterbury, Conn.
P. O. 28368
(Name and address of Purchaser)

3. Type Horiz. Kind Tank Vessel No. (8328-5) (Natl. Bd. No. 940 Yr. Built 1959)
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)

10

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material A-212-B Flg. T.S. 70,000 Thickness 1" in. Allowance 0 in. Diam. 120" I.D. 54 7 OA Hds
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

5. SEAMS: Long Dbl. weld butt S.R. no X.R. yes Sectioned no Efficiency 90 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth Dbl. weld butt S.R. no X.R. yes Sectioned no No. of Courses 5
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

6. HEADS: (a) Material A-212-B Flg. T.S. 70,000 (b) Material A-212-B Flg. T.S. 70,000
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) End	<u>1/2" nom.</u>					<u>60"</u>		<u>concave</u>
(b) End	<u>1/2" nom.</u>					<u>60"</u>		<u>concave</u>

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

***Head Seams - Double welded butt joint construction - full x-ray**

8. JACKET CLOSURE: _____
(Describe as ogee & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for 250 psi. pressure of 250 psi. Max. Temp. 650 °F. Subzero -20 °F. Hydrostatic Test 375 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Thickness _____ in. Corrosion Allowance _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
(Kind and Spec. No.) (Fig. or F. B. & Lowest T. S.)

13. SEAMS: Long _____ S.R. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ S.R. _____ X.R. _____ Sectioned _____ No. of courses _____

14. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.) (Kind and Spec. No.) (Fig. or F. B. & lowest T. S.) (Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

If riveted describe seams fully on reverse side of form

15. Constructed for 250 psi. pressure of 250 psi. Max. Temp. 650 °F. Subzero _____ °F. Hydrostatic Test 375 psi.

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES: 1-3/4" coupling in head

Purpose (Inlet, Outlet, Drain)	Number	Di. or Size	Material	Thickness	Reinforcement Material	How Attached
	1	3"	300# Studding			welded in shell
	1	2-1/2"	300# Long Welding Neck	Reinf. 1/2" x 7-1/2"		weld in shell
	1	2-1/2"	prox. Magneson Connection	w/ 3/8" x 5-3/4"		Pad weld in hd.
	1	1-1/4"	XXH Seamless Pipe (Thornwall)			welded thru hd.

18. INSPECTION: Manholes, No. 1 Size 20" Location 300# Long Welding Neck w/cover Location located in shell
Openings: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or No) (Number) (Number) (Describe) (Where & How)

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