

**FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS**  
 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by Mississippi Tank Co., Inc. Hattiesburg, Mississippi  
(Name and address of Manufacturer)

2. Manufactured for Infra-Ray Div. Of Solaronics, Inc.  
(Name and address of Purchaser)

3. Type Horiz Vessel No. (76041) (        ) Natl. Bd. No. 5984 Yr. Built 1973  
(Type, Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Matl. SA515-70 T.S. 70K Nom. 9.375 In. Corr. 0 In. Diam. 11 Ft. 0 In. Length 36 Ft. 2 In.  
(Kind and Spec. No.) (Fig. or P.D. & Spec. Min. T.S.) (Spot or Complete) (Yes or No)

5. SEAMS: Long Dbl. Butt H.T. No R.T. Comp Sectioned No Efficiency 100 %  
(Welded, Dbl., Single, Lap Butt) (Yes or No) (Spot or Complete) (Yes or No)  
 Girth Single H.T. No R.T. Comp Sectioned No No. of Courses 4

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA455B T.S. 73K (b) Material        T.S.         
(Location) (Type, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side is Pressure (Convex or Concave)  
 (a) Ends .529" 65.0625" Concave  
 (b)                     

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

7. Constructed for max. allowable working press. 250 psi at max. temp. 650 °F. Min. temp. (when less than -20°)        °F. Hydrostatic Pneumatic or Combination Test 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4" Location Top of Shell

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Relief Out	1	4"	Flg.	SA181-II	.875"	Inherent	Welded
	1	2 1/2"	Flg.	SA515-70	1 1/2"	Inherent	Welded
	5	2"	Cplg.	SA105-II	3000#	Inherent	Welded
	1	1"	Cplg.	SA105-II	3000#	Inherent	Welded
	1	3/4"	Cplg.	SA105-II	3000#	Inherent	Welded
	1	1/2"	T.W.	SA105-II	3000#	Inherent	Welded
	1	3"	Cplg.	SA105-II	6000#	Inherent	Welded

10. INSPECTION Manholes, No.        Size        Location         
 OPENINGS: Handholes, No.        Size        Location         
 Threaded, No.        Size        Location       

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

12. REMARKS: 30,000 W.G. capacity Propane Storage Tank, 132" OD x 47' - 2" OAL  
Head Gore Seams Are Dbl. Butt Welded And Spot X-Rayed.

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc. - State Contents. If postweld heat-treated. List other internal or external pressures with coincident temperature when applicable.)

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 I.

Date        19        Signed Mississippi Tank Co., Inc. By W.B. Holy  
(Manufacturer)

Certificate of Authorization Expires DECEMBER 31, 1973

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY MISSISSIPPI TANK COMPANY, INC., HATTIESBURG, MISSISSIPPI

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province ARKANSAS and employed by THE STATE of MISSISSIPPI have inspected the pressure vessel described in this manufacturer's data report on        19        and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel 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 pressure vessel 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 IAN 24 1973 Commissioner Renn W.C. 1492, Ark. 543  
Robert Schuman Inspector's Signature Nat'l Board, State, or Province and No.