

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

1/2

1. Manufactured and certified by ALLOY FABRICATORS, INC., 102 S. INDUSTRIAL DR., TRENTON, GA.
(Name and address of manufacturer)
2. Manufactured for SOFIX CORPORATION, 2800 RIVERPORT RD., CHATTANOOGA, TN.
(Name and address of purchaser)
3. Location of installation SOFIX CORPORATION, 2800 RIVERPORT RD., CHATTANOOGA, TN.
(Name and address)
4. Type VERTICAL 1-142 -- 1-142 1207 1991
(HORIZ. OR VERT. TANK) (Mfr's serial No.) (CHN) (Drawing) (Nat'l. Id. 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, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1989
Year
- 1990 NONE NONE
Addenda (date) Code Case No. Special service per UG 120(d)

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

6. Shell: SA240-T304 .250 NONE 5 FT 8 FT 10 IN
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (Overall) (ft & in.)
7. Seams: WDB NONE 70 NONE
Long. (Dbl. Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F)
- NONE WDB NONE 2
Time Girth (Dbl. Sngl.) H.T. (Spot, Partial, or Full) No. of Courses
8. Heads: (a) Matl. SA240-T304 (b) Matl. SA240-T304
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	.1875	NONE			N/A	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	.1875	NONE			N/A	N/A	N/A	N/A	CONCAVE

If removable, bolts used (describe other fastenings) NONE
(Matl., Spec. No., Gr., Size, No.)

9. Type of Jacket NONE Proof Test _____
10. Jacket Closure _____ If bar, give dimensions _____ If bolted, describe or sketch.
(Describe as ogee & weld, bar, etc.)
11. MAWP 33 psi at max. temp. 335 °F. Min. design metal temp. -20 °F at 33 psi.
Hydro., pneu., or comb. test press. 57 psi.

Items 12 and 13 to be completed for tube sections

12. Tubesheets: NONE
Stationary Matl. (Spec. No., Gr.) Diam. (in.) (Subject to pressure) Nom. Thk. (in.) Corr. Allow. (in.) Attach. (Welded Bolted)
- SA312TP-304
Floating Matl. (Spec. No., Gr.) Diam. (in.) Nom. Thk. (in.) Corr. Allow. (in.) Attach. U
Matl. (Spec. No., Gr.) O.D. (in.) Nom. Thk. (in. or Gauge) Number Type (Straight or U)
13. Tubes: SA312TP-304

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

14. Shell: NONE
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (Overall) (ft & in.)
15. Seams: _____
Long. (Dbl. Sngl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F)
- NONE WDB NONE 2
Time Girth (Dbl. Sngl.) H.T. (Spot, Partial, or Full) No. of Courses
16. Heads: (a) Matl. _____ (b) Matl. _____
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)										
(b)										

If removable, bolts used (describe other fastenings) _____
(Matl., Spec. No., Gr., Size, No.)

17. MAWP 85 psi at max. temp. 335 °F. Min. design metal temp. -20 °F at 85 psi.
Hydro., pneu., or comb. test press. 146 psi.

18. Nozzles, Inspection and Safety Valve Openings:

Date _____ Signed _____ (Authorized Inspector) Commissions _____ [Nat'l Board (incl. enforcements), State, Prov., and No.]

2/2

Data Report
Item Number

Date 7-23-91 Co. name ALLOY FABRICATORS, INC. Signed [Signature]
(Manufacturer) (Representative)
Date 7-23-91 Signed [Signature] Commissions 7489608 1000125
(Authorized Inspector) (Natl. Board (incl. endorsements), State, Prov., and No.)