

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 1

1. Manufactured by Paul Mueller Company, 1600 West Phelps, Springfield, MO 65802
 2. Manufactured for Paul Mueller Company, 1600 West Phelps, Springfield, MO 65802
 3. Location of Installation Stock
 4. Type Vertical P7121 N/A PC02977D Rev.A 9043 (Year Built) 1982
(Horiz. or vert. tank) (Mfr's Serial No.) (CRN) (Drawing No.) (Nat'l Brd. No.)

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 Nos. N/A Special Service per UG-120(d) N/A
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

6. Shell: Matl. SA240 316 304 .048 (Name of part, item number, Mfr's name and identifying stamp)
(Spec. No., Grade) Nom. Thk. .105 in. Corr. Allow. 0 in. Diam. 3 ft. 0 in. Length 1 ft. 10.75 in.
 7. Seams: Long. WLR R.T. None Eff. 80 % H.T. Temp. N/A F Time 1.0 hr. Girth WLR R.T. None No. of Courses 1
(Welded, Dbl., Sngl., Lap, Butt) (Spot or Full) (Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SA240 316 (b) Material Nom.
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
Bottom	<u>.048"</u> <u>.105"</u>	<u>0</u>							

If removable, bolts used (describe other fastenings) _____

9. Const. for max. AWP 100 psi at max. temp. 350 F. Min. temp. _____ F. Hydro. pres. or design pressure 173 psi.
 10. Safety Valve Outlets: Number _____ Size _____ Location _____ Customer to install in line.
 11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	<u>2</u>	<u>1.0"</u>	<u>Pipe</u>	<u>SA312 304</u>	<u>Sch 40</u>	<u>None</u>	<u>Weld</u>	
Outlet	<u>2</u>	<u>0.75"</u>	<u>Pipe</u>	<u>SA312 304</u>	<u>Sch 40</u>	<u>None</u>	<u>Weld</u>	
PRV & Vent	<u>2</u>	<u>.5"</u>	<u>Pipe</u>	<u>SA312 304</u>	<u>Sch 40</u>	<u>None</u>	<u>Weld</u>	

12. Supports: Skirt No Lugs (No.) Legs (No.) Other _____ Attached _____
(Yes or no) (Describe) (Where and how)

13. Remarks: Vessel is the heat exchanger on the shell and bottom of a noncode vessel.
It was fabricated in accordance with Appendix 14, Paragraph 14-10. There
is approximately 23.5 sq. ft. of surface contact area and an approximate
volumetric capacity of .10 cu. ft. Steam is used as heating medium.

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 9-22-82 Signed Paul Mueller Company by Douglas W. Morgan
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 5594 expires October 27, 19 83

CERTIFICATE OF SHOP INSPECTION

Vessel made by Paul Mueller Company at Springfield, Mo., U.S.A.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ARK and employed by Commercial Union Insurance Company

have inspected the pressure vessel described in this Manufacturers' Data Report on 9-10-, 19 82, 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.

Signed Richard Ryack Date 9-23-82 Commissions WB6552
(Inspector) (Nat'l Board, State, Province and No.)