

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

As Required by the Provisions of the A.S.M.E. Code Rules

Anco 076231

1. Manufactured by FLINT STEEL CORPORATION, MEMPHIS, TENNESSEE S.O. No. 6722-A
(Name and address of the manufacturer)

2. Manufactured for Anco Applied Eng. Co. - Cookeville, Tennessee P. O. No. PA1109-15
(Name and address of the purchaser)

3. Type Horiz. Vessel No. (52842) (Mfg. Serial) (70000) (State & State No.) ID Nat'l Bd. No. 52842 Yr. Built 1963
(Horiz. or Vert.)

4. SHELL: Material A212-B FQ T.S. 70000 Thickness 15/16 in. Diam. 10 ft. 10 in. Length 36 ft. 3 in.
(Kind and Spec. No.) (Fig. or F.B. & Lowest T.S.)

5. SEAMS: Long Dbl. Butt S.R. No X.R. Complete Sectioned No Efficiency 100 %
(Weided, Dbl. Single Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth Dbl. Butt S.R. No X.R. Complete Sectioned No No. of Courses 5

6. HEADS: (a) Material A-455-B FQ T.S. 73000 (b) Material SA-455 Gr B FQ T.S. 73000

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) <u>End</u>	<u>.528" Min.</u>					<u>65"</u>		<u>Concave</u>
(b) <u>End</u>	<u>.528" Min.</u>					<u>65"</u>		<u>Concave</u>

7. Constructed from Int. pressure of 250 psi. Max. Temp. 130 °F. Subzero -20 °F. Hydrostatic Test 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 3" 300# Location D&T in M/W Cover

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Liquid</u>	<u>1</u>	<u>3"</u>	<u>MF</u>	<u>Steel</u>	<u>300#</u>	<u>Inc.</u>	<u>Welded</u>
<u>Liquid Gage</u>	<u>1</u>	<u>Magnetron</u>	<u>MF</u>	<u>Steel</u>	<u>300#</u>	<u>Inc.</u>	<u>Welded</u>
<u>Max. Fill P.O.</u>	<u>1</u>	<u>3/4"</u>	<u>Coup.</u>	<u>Steel</u>	<u>6000#</u>	<u>Inc.</u>	<u>Welded</u>
<u>Thermowell</u>	<u>1</u>	<u>1-1/4"</u>	<u>Pipe</u>	<u>A53B</u>	<u>dbl. ex. hvy.</u>	<u>Inc.</u>	<u>Welded</u>
<u>Vapor</u>	<u>2</u>	<u>2" stub ends weld into M/W Cover</u>					

10. INSPECTION Manholes, No. 1 Size 18" Location 4'2" from Head Seam 15/16"x34" OD
 OPENINGS Handholes, No. No Size 2" Steel PL Saddles Location Rein.

11. SUPPORTS: Skirt No Lugs 7 IAP Legs 2-Steel PL Saddles Other Grd. Lug Attached Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: L. P. Gas 131-7/8" OD x 36'3" SL x 47'3" OAL AGP 30,000 Water Gallon Capacity
(Type Tank & Purpose for which it is designed)
Built per ASME - UPV Code Sec. II, VIII & IX par UW-51 with 5 pc. Head Heads
spot X-rayed per UW52-A for 85% Joint Eff.

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

This vessel constructed in accordance with plans and specifications shown on DRAWING NO. 63-6231 as
 Date 10-14 1963 Signed FLINT STEEL CORPORATION (Manufacturer) By [Signature]

Certificate of Authorization Expires No. 72 DEC. 31, 1964

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. E 2842
 VESSEL MADE BY FLINT STEEL CORPORATION at MEMPHIS, TENNESSEE

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in NATIONAL
 Board No. _____ and employed by The Commercial Union Insurance Company of New York

inspected internally and externally, the vessel described in this report on 10-14-63 1963, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date 10-14, 1963 Inspector's Signature [Signature] Commissions NATIONAL BOARD No. 4242
 State or Nat'l Bd. & Number _____