

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

ALTERNATE FORM FOR SINGLE CHAMBER COMPLETELY SHOP-FABRICATED VESSELS ONLY

Anco P.O. 11048

1. Manufactured by FLINT STEEL CORPORATION, MEMPHIS, TENNESSEE S.O. No. 7549
(Name and address of the manufacturer)

2. Manufactured for Anco Mfg. & Supply Co. & Phillips Petroleum Co., Fritchton, Ind. P. O. No. 64436-F
(Name and address of the purchaser)

3. Type Horiz Vessel No. (53578) (Mfrs' Serial) (State & State No) Nat'l Bd. No. 53578 Yr. Built 1966
(Horiz. or Vert.)

4. SHELL: Material SA-212-B T.S. PQ70000 Nom. Thk. .77 In. Corr. Allow. 0 In. Dia. 8 ft. 10 in. Length 33 ft. 2 in.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

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

6. HEADS: (a) Material SA-455-B T.S. PQ73000 (b) Material SA-455-B T.S. PQ73000

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>.4576" Min</u>					<u>53"</u>		<u>Concave</u>
(b) <u>End</u>	<u>.4576" min</u>					<u>53"</u>		<u>Concave</u>

7. Constructed for max. allowable working press.: 250 psi. at max. temp. 250 °F. Min. temp. (when °F. less than -20°) _____ °F. Hydrostatic Press. 375 psi. Test

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

9. NOZZLES:

Purpose, (Inlet Outlet Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Drain</u>	<u>1</u>	<u>3"</u>	<u>MF</u>	<u>Steel</u>	<u>300#</u>	<u>Inc</u>	<u>Welded</u>
<u>Liquid Out.</u>	<u>1</u>	<u>2"</u>	<u>Coup</u>	<u>Steel</u>	<u>3000#</u>	<u>Inc</u>	<u>Welded</u>
<u>Liquid In.</u>	<u>1</u>	<u>2"</u>	<u>Coup</u>	<u>Steel</u>	<u>3000#</u>	<u>Inc</u>	<u>Welded</u>
<u>Vapor</u>	<u>1</u>	<u>1-1/4"</u>	<u>Coup</u>	<u>Steel</u>	<u>3000#</u>	<u>Inc</u>	<u>Welded</u>
<u>Pres & Max</u>	<u>1</u>	<u>3/4"</u>	<u>Coup</u>	<u>Steel</u>	<u>6000#</u>	<u>Inc</u>	<u>Welded</u>
<u>Liquid Ga</u>	<u>1</u>	<u>Magnetron</u>	<u>MF</u>	<u>Steel</u>	<u>300#</u>	<u>Inc</u>	<u>Welded</u>
<u>Thermowell</u>	<u>1</u>	<u>1-1/4"</u>	<u>Pipe</u>	<u>Steel</u>	<u>XX-Evy</u>	<u>Inc</u>	<u>Welded</u>
<u>Vent</u>	<u>2</u>	<u>1-1/2"</u>	<u>Coup</u>	<u>Steel</u>	<u>3000#</u>	<u>Inc</u>	<u>Welded</u>

10. INSPECTION Manholes: No. 1 Size 18" Location 4'2" from Head Seam (.77" x 3 1/4" OD)

OPENINGS Handholes: No. _____ Size _____ Location _____

11. SUPPORTS: Skirt No Lugs 11 Legs _____ Other 1 Pipe Supt Attached Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 107-5/8" OD x 33'2" SL x 42'2" OAL NH3 (5) Water Gallon Capacity 18,000
(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents)

Built per 1965 ASME Code Sec. II, VIII & IX Par UW51 with 5 pc hemi heads spot x-rayed per Par UW52A. Tank heat-treated per Par UW40 & UCS56.

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 Unfired Pressure Vessels.

This vessel constructed in accordance with plans and specifications shown on DRAWING NO. 65-1862-R1 as

Date 2-8 1966 Signed FLINT STEEL CORPORATION By [Signature]
(Manufacturer)

Certificate of Authorization Expires No. 72 DEC. 31, 1967

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY FLINT STEEL CORPORATION MEMPHIS, TENNESSEE

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Tennessee and employed by The Commercial Union Insurance Company of New York, New York have inspected the pressure vessel described in this manufacturer's data report on 1-12 1966 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 1-8 1966
[Signature] Inspectors' Signature
 National Board No. 67446
Commissions Nat'l Board or State and No.

¹ If postweld heat-treated.
² List other internal or external pressures with coincident temperature when applicable.