

#193264

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FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative 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 and certified by Industrial Alloy Fabricators, Inc., Richmond, Va.
(Name and address of manufacturer)

2. Manufactured for Lummus Crest, Inc., Bloomfield, NJ
(Name and address of purchaser)

3. Location of installation FMC Corp., Baltimore, MD
(Name and address)

4. Type Vert 37287-1 D-4046D 1381 1985
(Type of vessel) (Mfg's serial No.) (CRN) (Drawing No.) (Natl Bd. 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 1983
Year

to Winter 84
Address (Date) Code Case No. Special Service per UG 120(d)

6. Shell: SA240GR304L .250 .0313 3'-0" ID 27'-9" OA
Matl (Spec No. Grade) (Nom Thk (in)) (Corr Allow (in)) (Diam I.D. (ft & in)) (Length (overall) (ft & in))

7. Seams: wld dbl butt Spot 85 wld dbl butt Spot 4
Low Welded, DBL (Spot, Patch, or Full) (HT Temp (F)) (Face Dtl) (Girth-Welded, DBL, Sngl Lap, Butt) (R.T. (Spot, Patch, or Full)) (No. of Courses)

8. Heads: (a) Matl. SA240GR304L (b) Matl. _____
(Spec. No. Grade) (Spec. No. Grade)

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Corner or Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
top, btm	.250	.0313			2:1				both

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

9. MAWP FV & 50 psi at max temp. 300 °F
 Min. temp. (when less than -20°F) _____ °F. Hydro. ~~XXXXXX~~ test pressure 75 psi.

10. Nozzles, inspection and safety valve openings:

Pressure Outlet Orator	No.	Dia. at Spig.	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
instr	6	1 1/2	stubend	SA312TP304L	.200	None	welded	shell
instr	1	2	"	"	.218	"	"	"
inlet	3	3	"	"	.216	"	"	"
instr	1	3	studpad	SA240GR304L	2.25	"	"	"

11. Supports: Skirt NO Lugs 4 Legs _____ Other _____ Attached welded to shell
(Yes or no) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:
(Name of part, item number, Mfg's name and identifying stamp)

Chemical process vessel for non-lethal service. Additional nozzle info. on Form U-4 attached.
Lummus P.O. 2858-312 Item C-4201

CERTIFICATE OF SHOP 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. "U" Certificate of Authorization No. 8351 expires 3/30, 1986.
 Date 5/9/85 Co. name Indus Alloy Fab Signed Harran Lawrence
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Indus Alloy Fab at Richmond, Va

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ohio & Pa and employed by Arkwright-Boston Manuf Mutual Ins, Mutual Boiler have inspected the component described in this Manufacturer's Data Report on MAY 8 1985, 19____, 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 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 MAY 9 1985 Signed C.W. Bragg Commissions FACTORY MUTUAL SYSTEM NB4750-VA95 OHIO-PA-W.C. 1210
(Authorized Inspector) (Natl Board Insp. Requirements, State, Prov. and No.)

