

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 I

1. Manufactured by Wm. W. Nugent & Co. (Inc.) Skokie, Illinois U.S.A.
(Name and address of Manufacturer)

2. Manufactured for Worthington Compressore, Inc. Buffalo, New York
(Name and address of Purchaser)

3. Type Vertical Vessel No. (H77CC) (-----) Natl. Bd. No. 3518 Yr. Built 1977
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Matl. SA135GR.B T.S. 60,000 Nom. .105 Corr. 0 In. Diam. 0 Ft. 8 In. Length 3 Ft. 1 1/2 In.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) Thk. In. Allow. (Yes or No)

5. SEAMS: Long Elec. Resis H.T. No R.T. No Sectioned No Efficiency 70 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth V-Groove H.T. No R.T. No Sectioned No No. of Courses 1

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA395 T.S. 60,000 (b) Material SA285GR.C T.S. 55,000
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Size to Pressure (Convex or Concave)
 (a) Top 3/8" 8" 1/4" ----- ----- ----- 8" Concave
 (b) Bottom 3/4" ----- ----- ----- ----- ----- 8" Flat

If removable, bolts used SA325 120,000 3/4" 4 Other fastening Pin SA31GR.B 58,000 5/8" 4
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

Shell Ring: SA216GR.WCB

7. Constructed for max. allowable working press. 150 psi at max. temp. 250 °F. Min. temp. (when less than -20°) --- °F. Hydrostatic ----- Pneumatic or ----- Test 225 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number ----- Size ----- Location -----

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>In & Out</u>	<u>2</u>	<u>1-1/2"</u>	<u>FLG.</u>	<u>SA105-72</u>	<u>-----</u>	<u>-----</u>	<u>Welded</u>
<u>Drains</u>	<u>4</u>	<u>3/4"</u>	<u>NPT</u>	<u>SA105-2</u>	<u>-----</u>	<u>-----</u>	<u>Welded</u>

10. INSPECTION Manholes, No. ----- Size ----- Location -----
 OPENINGS: Handholes, No. 1 Size 7-3/4" Location Top
 Threaded, No. 1 Size 3/4" Location Cover

11. SUPPORTS: Skirt No Lugs ----- Legs 2 Other ----- Attached Shell-Weld
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Liquid Filter

P.O. #SCG42573AAYW

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents. If postweld heat-treated. List other internal or external pressures with coincident temperature when applicable.)

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 I.
 Date 10/13 19 77 Signed Wm. W. Nugent & Co. (Inc.) By [Signature]
(Manufacturer)

Certificate of Authorization Expires March 30, 1980

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Wm. W. Nugent & Co. (Inc.) Skokie, Illinois U.S.A.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Illinois and employed by Arkwright-Boston Mfg. Mutual Ins. of Co. of Waltjam, Mass. * have inspected the pressure vessel described in this manufacturer's date report on OCTOBER 19 1977 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 OCTOBER 19 1977
[Signature] Inspector's Signature Commission NAT'L BD. # 8288
Natl. Board, State, or Province and No.

*Mutual Boiler & Machinery Co. - Factory Mutual System

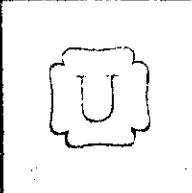
NUGENT®



MODEL 1577-4LB-S4-CC

PART NO 11-457-201

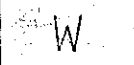
ELEMENT 01-102-003



NAT'L. BD. NO

DIV. 1

3518



MAX. ALLOWABLE PRESSURE



150

PSIG

ALLOWABLE TEMPERATURE RANGE



-20

°F

TO

250

°F

SER. NO

H77CC

YEAR BUILT

1977

MAY BE COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS
2,604,994 - 2,885,105 - 3,481,472 AND OTHERS

WM. W. NUGENT & CO. (INC.)
3440 CLEVELAND STREET, SKOKIE, ILLINOIS 60076