

MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

1. Manufactured by: _____
(Name and Address of Manufacturer)
2. Manufactured by: _____
(Name and Address of Purchaser)
3. Type: _____ Kind _____ Vessel No. _____ Year Built _____
(Hor. Or Vert.) (Tank, Jacketed, Heat Exch.)

Items 4 to 9 inclusive to be completed for a single wall vessels (such as air tanks, jackets or jacketed vessels, or heat of heat exchangers)

4. Shell: Material _____ T.S. _____ Nominal Thickness _____ in. _____
(Kind & Spec. No.) (Fig. Or F.B. & Lowest T.S.)
- Corrosion Allowance _____ in. Diameter _____ Ft. _____ in.
Length _____ ft. _____ in.

5. Seams: Longitudinal _____ Butt Joint _____ Stress Relieved _____ X-Rayed _____
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete)
- Sectioned _____ No. of Course _____
Welder Classification: _____ (Class A, B, C)
- If riveted describe seams fully on reverse side of form.

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
- | Location
(Top, Bottom, Ends) | Drown Knuckle
Thickness | Radius | Elliptical
Radius cal Ratio | Conical
Ratio Apex Angle | Hemispherical
Radius |
|---------------------------------|----------------------------|--------|--------------------------------|-----------------------------|-------------------------|
| (a) _____ | _____ | _____ | _____ | _____ | _____ |
| (b) _____ | _____ | _____ | _____ | _____ | _____ |

- Flat Diameter _____ Side to Pressure (Convex or Concave) _____
- If removable, belt used _____ Other Fastening _____
(Material Spc. No., T.S., Size, Number) (Describe or attached sketch)

7. Staybolts: _____ If hallow _____ Attachment _____ Pitch _____ Dia. _____
(Materials) (Size of Hole) (Threaded or Welded) (Hor.) (Vert.) (Nominal)
8. Jacket Closures: _____
(Describe as Egg. & Weld, bar, etc. If bar give dimension. If bolted, described or sketch)
9. Tube Sheets: Stationary Material _____ Diam. _____ in. _____
(Kind & Type) (Subj. to Press)
10. Tubes: Material _____ O.D. in. Thickness _____ or Gage No. _____
Type _____
(Straight or U)

Item 12 to 15 inclusive to be completed for inner chambers of jacketed vessels of heat exchangers.

11. Shell: Material _____ T.S. _____ Nominal Thickness _____ in.
 (Kind of Sec. No.) (Fig. or F.B. & Lowest T.S.)

Corrosion Allowance _____ in. Diam. _____ Ft. _____ in. Length _____ ft. _____ in.

12. Seams: Long _____ Stress Relieved _____ X-Rayed _____
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete)

If riveted describe fully on reverse side of form.

Sectioned _____ No. of Course _____
 (Yes or No)

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
 (b) Material _____ T.S. _____

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle
(a)	Top, Bottom, Ends	_____	_____	_____	_____	_____
(b)	Channel	_____	_____	_____	_____	_____
(c)	Floating	_____	_____	_____	_____	_____

	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
	_____	_____	_____
	_____	_____	_____

If removable, bolts used (a) _____ (b) _____
 (Material Spc. No., T.S., Size, Number)
 (c) _____ Other Fastening _____
 (Describe or attached sketch)

15. Constructed for _____ (int.) pressure of _____ psi. Max. Temp. _____ °F Subzero _____
 (ext.)
 °F Hydro Test _____ psi.

Item below to be completed for all vessels where applicable

16. Safety Valve Outlets: Number _____ Size _____ Location _____

17. Nozzles:

Purpose (Inlet, Outlet, Drain)	Diameter Number or Size	Type	Material	Thickness	Reinforcement Material	How attached
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

18. Inspection Manhole, No. _____ Size _____ Location _____
 Openings: Handhole, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

19. Supports: Skirt _____ Lugs _____ Legs _____ Others _____ Attached _____
 (Yes or No) (Number) (Number) (Describe) (How and Where)

20. Remarks: _____
 (Brief description of purpose of the vessel, as Air Tanks, After

Cooler, Jacketed cooler, etc. State contents of each part.)

We certify that the statements made in this report are corrected and that all details of material construction, and workmanship of this unfired pressure vessel conform to the ASME code for unfired Pressure Vessels.

Date _____, 19 _____ Name & Signature _____ Name and Signature, Seal _____
(Manufacturer) (Name and Signature)
Professional Mechanical Engineer

ABOVE SPECIFICATIONS APPROVED:

Date _____, 19 _____

Professional Mechanical Engineer