

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by _____ (Name and address of Manufacturer)

2. Manufactured for _____ (Name and address of Purchaser)

3. Location of installation _____ (Name and address)

4. Type _____ (Description of vessel part (shell, two-piece head, tube bundle)) _____ (Manufacturer's serial number) _____ (CRN)
 _____ (National Board number) _____ (Drawing number) _____ (Drawing prepared by) _____ (Year built)

5. ASME Code, Section VIII, Div. 1 _____ (Edition and Addenda, if applicable (date)) _____ (Code Case number) _____ (Special service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels.

6. Shell: (a) Number of course(s) _____ (b) Overall length _____

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment			
No.	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None		Eff.	Type	Full, Spot, None		Eff.	Temp.	Time

7. Heads: (a) _____ (Material spec. number, grade or type) (H.T. — time and temp.) (b) _____ (Material spec. number, grade or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A				
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None		Eff.	
(a)																
(b)																

If removable, bolts used (describe other fastening) _____ (Material spec. number, grade, size, number)

8. Type of jacket _____ Jacket closure _____ (Describe as ogee & weld, bar, etc.)

If bar, give dimensions _____ If bolted, describe or sketch.

9. MAWP _____ (Internal) _____ (External) at max. temp. _____ (Internal) _____ (External) . Min. design metal temp. _____ at _____ .

10. Impact test _____ [Indicate yes or no and the component(s) impact tested] _____ at test temperature of _____ .

11. Hydro., pneu., or comb. test pressure _____ Proof test _____

Items 12 and 13 to be completed for tube sections.

12. Tubesheet _____ [Stationary (material spec. no.)] _____ [Diameter (subject to pressure)] _____ (Nominal thickness) _____ (Corr. allow.) _____ [Attachment (welded or bolted)]
 _____ [Floating (material spec. no.)] _____ (Diameter) _____ (Nominal thickness) _____ (Corr. allow.) _____ (Attachment)

13. Tubes _____ (Material spec. no., grade or type) _____ (O.D.) _____ (Nominal thickness) _____ (Number) _____ [Type (straight or U)]

Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: (a) No. of course(s) _____ (b) Overall length _____

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment			
No.	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None		Eff.	Type	Full, Spot, None		Eff.	Temp.	Time

FORM U-2 (Back)

15. Heads: (a) _____ (Material spec. number, grade or type) (H.T. — time and temp.) (b) _____ (Material spec. number, grade or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)														
(b)														

If removable, bolts used (describe other fastening) _____ (Material spec. number, grade, size, number)

16. MAWP _____ (Internal) _____ (External) at max. temp. _____ (Internal) _____ (External) . Min. design metal temp. _____ at _____ .

17. Impact test _____ at test temperature of _____ .
[Indicate yes or no and the component(s) impact tested]

18. Hydro., pneu., or comb. test pressure _____ Proof test _____

19. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	

20. Identification or part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built

21. Supports: Skirt _____ Lugs _____ (Yes or no) _____ (Number) Legs _____ (Number) Others _____ (Describe) Attached _____ (Where and how)

22. Remarks

CERTIFICATE OF SHOP/FIELD COMPLIANCE	
We certify that the statements in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.	
U Certificate of Authorization Number _____	Expires _____
Date _____ Name _____ (Manufacturer)	Signed _____ (Representative)
CERTIFICATE OF SHOP/FIELD INSPECTION	
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 _____ and employed by _____ of _____ have inspected the pressure vessel part described in this Manufacturer's Data Report on _____, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 _____ Signed _____ (Authorized Inspector)	Commissions _____ (National Board (incl. endorsements), State, Province and number)