

**FORM RP-3
FABRICATOR'S DATA REPORT FOR CLASS II VESSELS
(Revision E — 2017)**

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code

1. Fabricated and certified by _____
(name and address of Fabricator)
2. Fabricated for _____
(name and address of Purchaser)
3. Location of installation _____
(name and address)
4. Type _____ Vessel No. _____ Year Built _____
(horiz. or vert. vessel) (Manufacturer's serial) (CRN) (dwg. no.) (National Bd. no.)
5. Vessel fabricated in accordance with Design Specification no. _____ Date _____
and Procedure Specification no. _____ Date _____
6. ASME Section X _____
[Edition and Addenda (if applicable) Date] (Code Case No.)

7. (a) Vessel designed according to Method _____ (A or B) (b) Fabricator's Design Report on file _____ (yes or no)
- (c) (1) Elastic constants used for design according to Method A: E_x _____, E_y _____, E_s _____, ν_x _____
- (2) Elastic and strength constants used for design according to Method B. Add additional columns as required.

Structural layer from inside	1	2	3	4	5	6	7	8	9
Type of construction: mat. fil., wound, woven, roving, etc.									
Thickness									
Glass content									
E_x									
E_y									
E_s									
ν_x									
X									
X_c									
Y									
Y_c									
S									
Wind angle for fil. wound layers									

(3) Effective laminate engineering constants for Method B analysis based on information in 7(c)(2) above. (See AD-509.)

E_1 _____ E_2 _____ E_6 _____ ν_{21} _____ ν_{12} _____ E_{f1} _____ E_{f2} _____

8. (a) SHELL: Fibers _____
(glass, carbon, aramid, etc.)
- Resins _____
(epoxy, polyester, furan, phenolic, etc.)
- (b) HEADS: Fibers _____
(glass, carbon, aramid, etc.)
- Resins _____
(epoxy, polyester, furan, phenolic, etc.)

9. Fabricated for
Maximum allowable working pressure _____ at maximum allowable temperature _____
Minimum allowable temperature [when less than -20°F (-29°C)] _____
Hydrostatic, pneumatic, or combination test pressure _____. Total weight of completed vessel _____
NDE _____ (AE, RT, etc.)

10. SHELL: Type _____ Nominal thickness _____
(bag molded, centrif. cast, filament wound)
- Diameter _____ Length _____ Barcol hardness _____

11. HEADS: Type _____
(contact molded, filament wound)
- Attachment _____
(integral, adhesive bonding, bolted, quick opening, etc.)

	Location (Top, Bottom, Ends)	Nominal Thickness	Barcol Hardness	Nominal Weight	Shape or Contour (Describe, giving radii, angle, ratios, where appropriate)
(1)	_____	_____	_____	_____	_____
(2)	_____	_____	_____	_____	_____

FORM RP-3 (Back)
(Revision E — 2017)

(b) If bolted, bolts used (Material, Spec. no., T.S., size, number)

(1) _____
(2) _____

(c) If quick opening or other (describe or attach sketch)

(1) _____
(2) _____

(d) If filament wound, describe pole pieces or head fittings

(1) _____
(2) _____

12. SAFETY OR SAFETY RELIEF VALVE OUTLETS: Number _____ Size _____
Location _____

13. NOZZLES

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

Attached _____
(where and how)

14. INSPECTION OPENINGS:

Manholes: No. _____ Size _____ Location _____
Handholes: No. _____ Size _____ Location _____

15. SUPPORTS: Skirt _____ (yes or no) Lugs _____ (number) Legs _____ (number) Other _____ (describe)
Attached _____
(where and how)

16. VESSEL FABRICATED FOR STORAGE OF _____

17. REMARKS

(Brief description of purpose of the vessel, such as air tank, water tank, LPG storage, etc. *If description of the purpose of the vessel does not clearly indicate the contents of the vessel state what the contents are to be.* Describe any unusual features of design or construction not covered by items 3 to 16 inclusive.)

CERTIFICATE OF DESIGN

Fabricator's Design Report on file at _____

Fabricator's Design Report certified by _____ PE State _____ Reg. no. _____

We certify the statements in this Data Report to be correct.

Date _____ Signed _____ by _____
(Fabricator) (authorized representative)

Our Certificate of Authorization no. _____ to use the Certification Mark with RPDesignator expires _____
(date)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____ of _____ have inspected the pressure vessel described in this Fabricator's Data Report on _____ and state that, to the best of my knowledge and belief, the Fabricator has constructed this pressure vessel in accordance with the applicable Sections of the ASME BOILER AND PRESSURE VESSEL CODE.
(date)

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Fabricator's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date _____

(Authorized Inspector's signature) Commission _____
(National Board Authorized Inspector Number)