

FORM RP-3
FABRICATOR'S DATA REPORT FOR CLASS II VESSELS
(Revision F — 2023)
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 _____
(Horizontal, vertical, or sphere) (Fabricator's serial no.) (CRN) (Drawing no./Revision no.) (National Bd. no.)
5. Vessel fabricated in accordance with Design Specification Number and Revision _____ Date _____
 and Procedure Specification Number and Revision _____ Date _____
6. ASME Section X _____
(Edition Year) (Code Case No.)
7. (a) Vessel designed according to Method _____ (b) Fabricator's Design Report on file _____
(A or B) (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 | | | | | | | | | |
| Fiber content | | | | | | | | | |
| E_x | | | | | | | | | |
| E_y | | | | | | | | | |
| E_s | | | | | | | | | |
| ν_x | | | | | | | | | |
| X | | | | | | | | | |
| X_c | | | | | | | | | |
| Y | | | | | | | | | |
| Y_c | | | | | | | | | |
| S | | | | | | | | | |
| Fiber angles for woven roving 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_{r1} _____ E_{r2} _____

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)] _____
 Pressure test type: (hydrostatic, pneumatic, or combination) at _____ Total weight of completed vessel _____
 NDE _____ (AE, RT, etc.)

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

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

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

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(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 _____ Lugs _____ Legs _____ Other _____
(n/a if not applicable) (Length) (Number, Length) (Number, Length) (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 RP Designator 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 _____ (date) 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.
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)