

PRESSURE EQUIPMENT

PRESSURE EQUIPMENT DESIGN VERIFICATION EXPLAINED

According to Australian Standard AS 1200 a pressure vessel is a vessel that is subjected to internal or external pressure typically above 50kPa(g) or below -50kPa(g). Pressure Vessels are categorised into 1 of 5 hazard levels depending on their volume, contents and service conditions:

- Hazard Level A – High hazard
- Hazard Level B – Medium hazard
- Hazard Level C – Low hazard
- Hazard Level D – Extra low hazards
- Hazard Level E – Negligible hazard

Due to the significant risks associated with the failure of pressure vessels within the higher hazard levels, a 3rd party engineer must be engaged to assess the design and ensure compliance with the relevant standards.

HOW WE CAN HELP

Practical Engineering employs a team of mechanical and process engineers who specialise in both the design and analysis of complex pressure equipment. Our engineers hold RPEQ, CPEng and NER qualifications satisfying the requirements of state or territory regulatory bodies throughout Australia.

Our engineers complete the Declaration of the Design Verifier section on the 'Application for registration of plant design'. This document can then be issued to the relevant Worksafe Authority to receive a design registration number. We can also apply on the clients behalf.

HOW TO ENGAGE US?

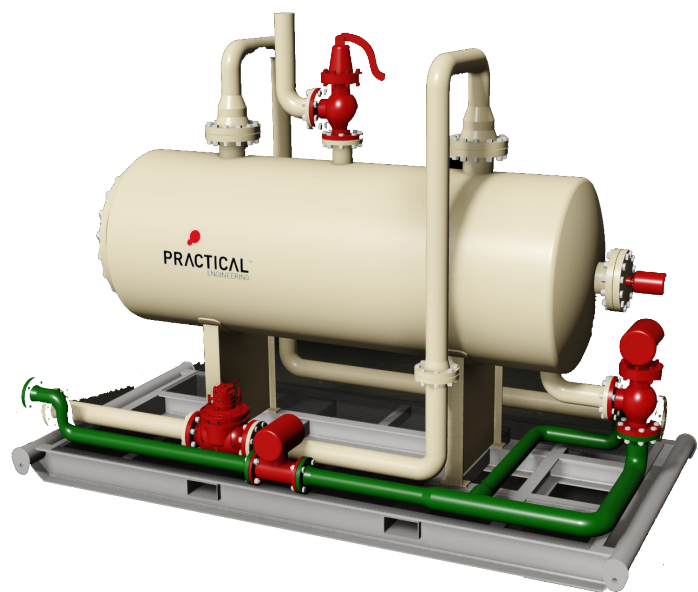
Practical Engineering offers fixed price quotations to perform 3rd party design and verification of pressure equipment. Simply call the office for further assistance or email sales@praceng.com.au and one of our experienced team members will contact you to discuss your needs.

WHAT INFORMATION IS REQUIRED?

For Practical Engineering to perform a pressure equipment design verification we require:

- Complete fabrication drawings for the vessel including details of design conditions and clear nomination of the standards used during manufacture and inspection
- Designers calculation report (if applicable).

However, if you do not have this information contact us for expert assistance.



www.praceng.com.au

E sales@praceng.com.au

T + 61 (0)7 3875 2133

Address

Kings Row Office Park, Building 1,
Level 3, 52 McDougall St, Milton
QLD 4064

Postal

PO Box 4, Bald Hills QLD
4036, Australia



PRESSURE VESSEL VERIFICATION FLOW CHART

