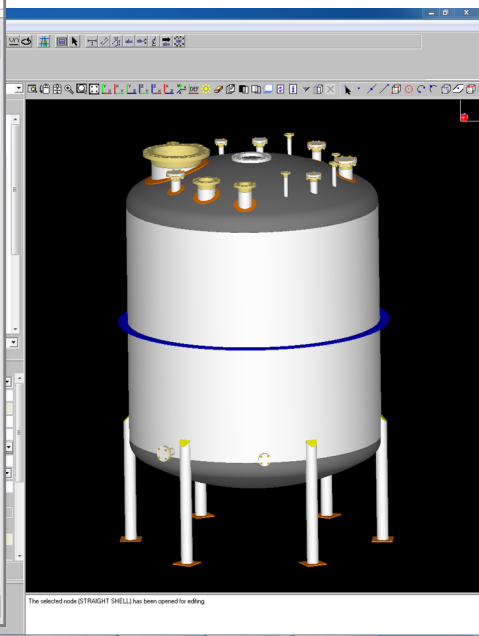
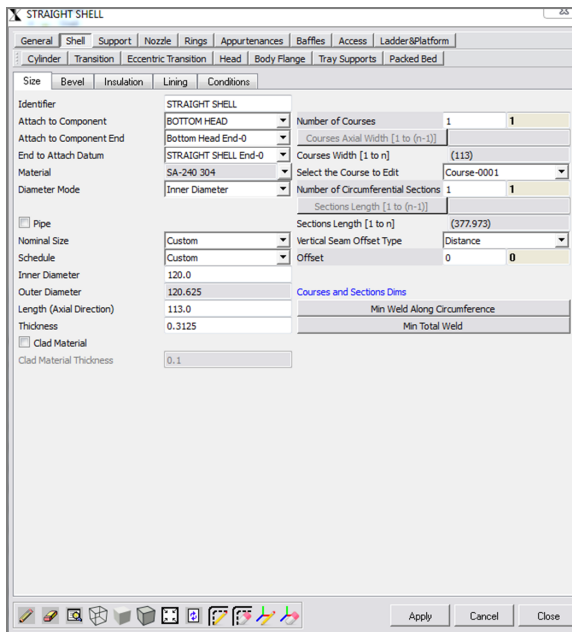


AMPreVA

Pressure Vessels and Heat Exchangers

Pressure Vessel Modeling & Configuration
3D Production Detailed Models
Layout and Fabrication Drawings
Production List and Bill of Material
Fabrication Operation Details and Costing



Rapid Design and Detailing

AMPReVA feature based environment enables the rapid configuration and detailing of pressure vessels automating the generation of:

- 3D detailed geometry models
- Elevation, fabrication, and assembly drawings
- Production component lists, and purchased bill of material
- Layout patterns for shell and head openings
- End cuts for nozzles and legs
- Production and assembly operation sequences
- Detailed production cost estimation
- Finite Element Analysis (FEA) model and results

Export of drawings to AutoCAD® and other CAD systems, bill of material to business applications, and import of design calculations from COMPRESS® and PVElite® are supported.

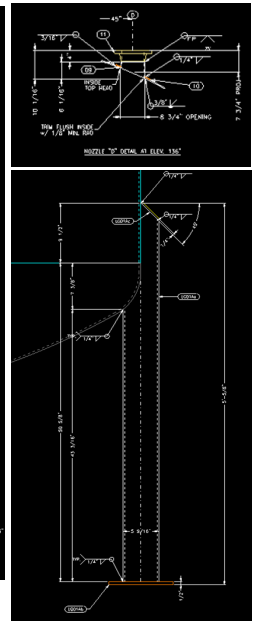
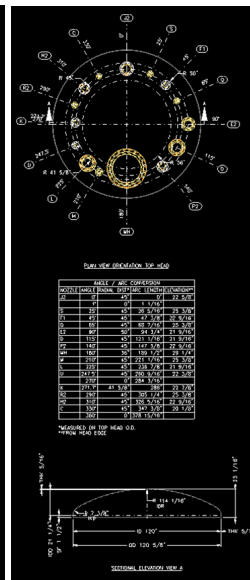
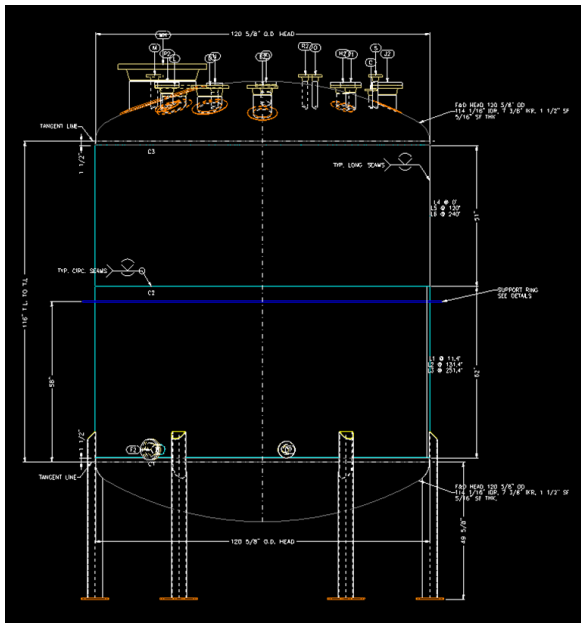
Easy to use Graphical User Interface

AMPReVA supports a fully interactive, easy to use Graphical User Interface customized for rapid modeling of pressure vessel components and features.

The configuration and layout of the shell, heads, support structure, nozzles, manways, and other internal as well as external features and appurtenances is facilitated through intuitive menus.

Fabrication details for shell courses, plate sizes, edge preparations, weld types, and other production details are quickly and easily specified.

A complete vessel design can be configured and detailed in less than two hours including the automatic generation of drawings, bill of material, cost estimation, and all other reports.



Vessel Designs and Configurations

AMPreVA supports a wide range of vessel designs and configurations

- Horizontal vessels with multi sectional shells with different diameters and concentric or eccentric transitional sections. Various supports including saddles and legs are provided.
- Vertical vessels with legs, skirts, or support rings.
- Columns with multi sectional shells with different diameters and transitional sections.
- Vessels with half pipe jackets on heads and shells.

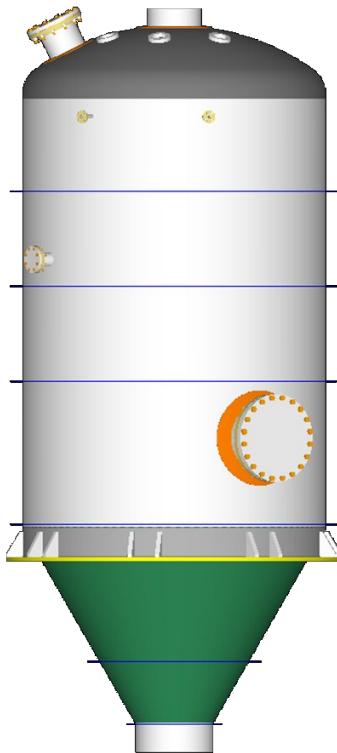
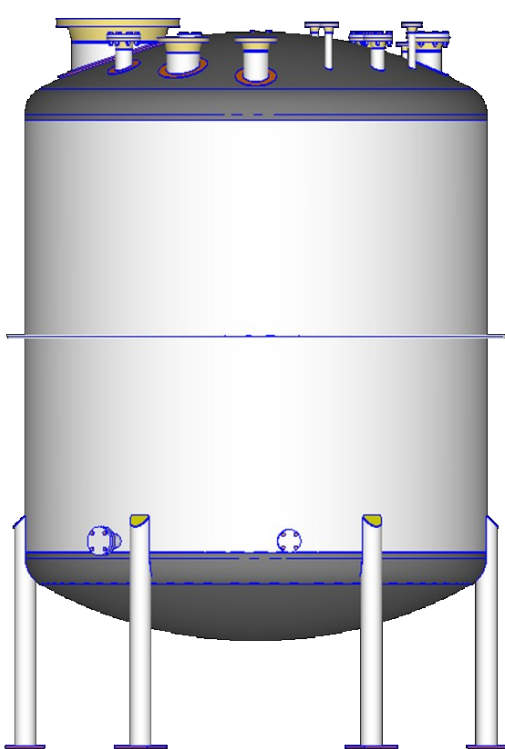
Ladders and Platforms

AMPreVA supports configuration and detailing of multi sectional circular as well as square platforms.

Integrated ladders with cages, climbing devices, safety cables, gates, and removable start ladder can be created and developed from the custom interface and can be configured with bolted as well as welded clip attachments.

Elevation, assembly, and manufacturing component detailed drawings for the platforms and ladders are fully automated and created to-scale.

The generation of the production components list and material purchase list for manufacturing is also supported.



Pressure Vessel Rapid Configuration and Detailing

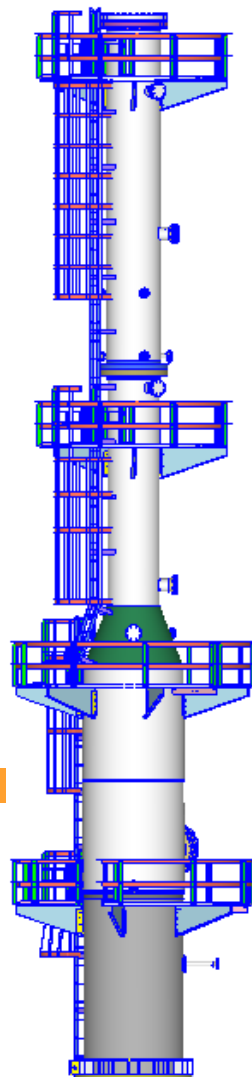
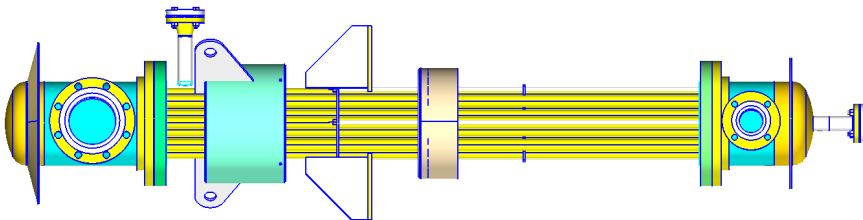
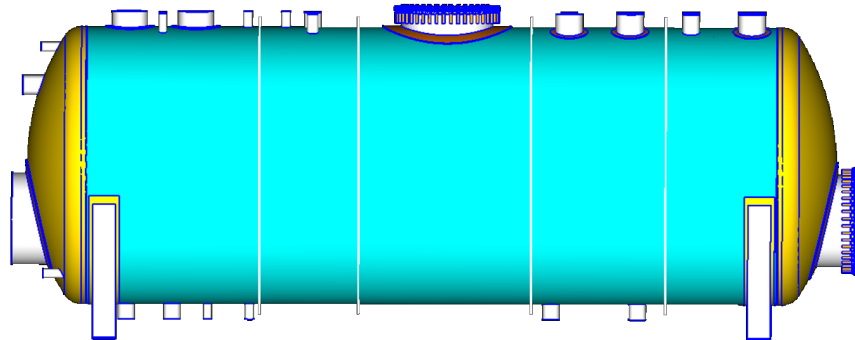
From configuration and design to 3D geometry, detailed bill of material, purchase list, cost calculation, and to-scale fabrication and layout drawings, in two hours.

Within minutes design changes can be made to modify, add, or delete features. The 3D geometry, drawings, bill of materials, shell roll out plate cut data, and cost reports are automatically updated.

Custom and easy to use graphical interface. **AMPreVA** can be mastered in two days of training.

 **TECHNO**SOFT

AMPreVA
Pressure Vessels and Heat Exchangers



AMPreVA

AMPreVA is developed by TechnoSoft, a leading company in Knowledge Based Engineering. For the past 20 years TechnoSoft has successfully deployed engineering software applications in various industries ranging from aerospace to automotive and capital equipment.

For field erected and shop built tank design and detailing to API 650, API 620, AWWA, and UL142 standards refer to **AMETank**, a TechnoSoft product.

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