

New Version 9.9

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Including EN13480, ASME VIII:2007 edition, EN13445 Issue 26, PD5500:2006 Amendment 2,

Version 9.9 - General

Version 9.9 includes a number of improvements and additions. This version is also in compliance with:

- ASME VIII:2007 edition

- EN13445 up to and including Issue 26

- PD5500:2006 Amendment 2

Some general enhancements of the new version includes:

Added a new module with menu driven auto-generation of General Arrangement drawings. The user can easily add any drawing details, specific views and data tables from report sections. All drawings can be exported to DXF file format and each detail is separated into drawing blocks and layers to easily enable further processing. [more information](#)

Added a new module for design of legs welded directly onto the cylindrical part of the vessel. A detailed load analysis can be performed including wind, seismic, accelerations and blast loads. The stresses in the cylindrical shell as well as legs and welds are analysed. Buckling of the legs are checked against the standard EN 1993-1-1. Crossed braced legs are also accommodated.

Added a new module for design of legs attached to bracket supports. A detailed load analysis can be performed including wind, seismic, accelerations and blast loads. The stresses in the legs and buckling of the legs are checked against the standard EN 1993-1-1. Crossed braced legs are also accommodated.

Added a new module for design of Half Pipe/Limpet Coils to PD5500 section 3.11.4 and ASME VIII Div.1 APPENDIX EE.

Added a new module for design of attachment lugs for attachment of piping, platforms, ladders etc to cylindrical and conical shells and ends. The attachment lugs can be loaded with 3 forces (radial + 2 shear forces) and 3 moments.

Added a new library containing dimensional data and properties for several hundred structural beams. These beams can be used in the design of vertical legs as well as stiffener rings.

Added a new option in the report for calculating the inside and outside surface areas of each

component.

Added calculation of maximum test pressure and maximum allowable pressure for flanges calculated according to EN1591 and EN13445 Annex G. [More information ...](#)

Added a new option in flange design to more easily include the effect from the pass partition plate gasket.

Added a new option for design of seal welded flanges to EN13445 section 11.7.

Added a new option for the tube layout module, so that the user can specify the required number of tubes and the corresponding OTL is calculated. Previously it was only possible to calculate the number of tubes based on a given OTL. [More information](#)

The tube layout sketch can now be included in the calculation report.

The tubesheet calculation printout now includes a summary table for MAWP with information on limiting components.

The design of bracket support now also supports a detailed load analysis including wind, seismic, accelerations and blast loads.

Maximum number of materials that can be stored in the current vessel material library has been increased from 15 to 30.

Bill of Material, more details included.

Added a new option to export the information in the report tables to MS Excel spreadsheet file format (xls).

Lifting lugs located in domed ends are now drawn correctly in the 3D drawing.

Offset cones are now drawn correctly in the 3D drawing.

The utilization chart can now be included in the report and in the print out for each component.

New feature enables the user to store all input variables in a temporary file for later retrieval. If you have completed most of the input for a component without completing all input and saving, this feature can be used to retrieve data later on.

VVD is now compatible with MS-Windows Vista

The Hungarian translation have now been included.

The Bulgarian translation have now been included.

The French translation has been significantly improved.