HEXAGON

Product Sheet

TANK®

Comprehensive Design, Analysis and Evaluation for Oil Storage Tanks

Capabilities:

- Steel Oil Storage Tank Design
- Analysis Output and Reports
- Complete Unit Flexibility
- API Standards 579, 620, 650 and 653
- API 2000, Section 4.3 for Venting
- Allowable Fluid Heights
- Nozzle Loads and Flexibilities
- Carbon and Stainless Steel
- Extensive Material Databases
- Wind Loads and Anchorage
- Seismic Analysis
- Settlement Loads
- Shell Course Thicknesses
- Supported Cone Roofs
- Cone, Dome and Umbrella Roof Thicknesses
- 3D Interactive Graphics

Data Collection

The menu-driven interface of TANK enables the quick definition of input and functions for the accurate analysis of oil storage tanks to American Petroleum Institute (API) standards.

Increased flexibility is provided by allowing you to select any unit combination for analyses or to produce reports. Unit files are completely user-definable, so engineers are not bound by program default settings. Even existing jobs can be converted to any existing unit format.

User Interface

The user interface in TANK presents only what is needed at each point of information gathering. You are not burdened with out of sequence requirements for information required for analysis. You are asked only for what is needed, when it is needed.

Analysis Options and Codes

TANK performs calculations in accordance with the latest API Standards 579, 620, 650 and 653. Analysis can also take into account wind, seismic and settlement conditions, plus calculate air venting requirements to API 2000 Section 4.3.

Advanced Analysis and Reporting

After completing an analysis, users can view the results in a tabular report or as a graphic diagram with associated data. For convenience in verifying the results, the output reports reference code sections used where applicable. Quickly send analysis results to output reports or export the file format of your choice (Word, PDF, etc.)

Contact Chempute Software on +27 31 764 6840 or on sales@chempute.com

Materials and Codes

TANK includes many databases integral to the package, which makes it easy to select standard data for accurate analysis. A number of U.S. and international structural steel databases are provided. API materials are available.

Quick, Context-Sensitive Help

TANK's context-sensitive help provides instant technical assistance at the point of input. Pertinent information is presented relative to each selected item, including code references and technical advice. Built-in search makes for rapid navigation.

Graphics

TANK graphical representation of analysis models helps ensure confidence in the input and results. Within TANK, users can view and manipulate analysis models with complete ease.

Equations and Substitutions

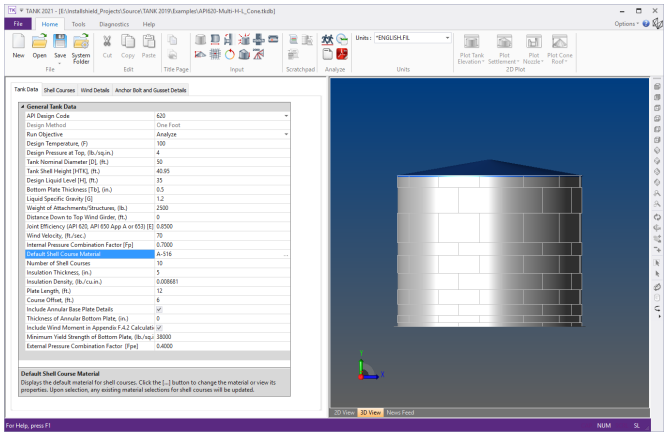
The software provides equations and substitutions, making it effortless for the user to verify the accuracy in the calculations presented in the reports.

Technical Specifications

- Microsoft® Windows®-compatible

Application Areas

Chemical, Equipment, Petrochemical, Piping, Power, Process and Plant Design and Water Treatment



TANK's intuitive interface employs user-defined materials and units and produces clear and accurate analysis reports.

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us @HexagonAB.

© 2020 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved. 03/2020 PPM-US 0661A-ENG

Contact Chempute Software on +27 31 764 6840 or on sales@chempute.com