



DesignCalcs

# PRESSURE VESSEL DESIGN SOFTWARE

Solutions For When Lives Depend On You

## BEST DESIGN & PROCEDURE MANAGEMENT SOFTWARE

WHEN LIVES DEPEND ON YOUR DECISIONS

Since 1987, CEI has delivered on the promise of keeping America's pressure vessel, heat exchanger, and piping industry safe, while driving toward cost-effective design and documentation.



### PEOPLE IN CHARGE

Experience on-demand online learning that complies with Appendix 47.



## PRESSURE VESSEL DESIGN SOFTWARE

WHAT IS DESIGNCALCS?

At its core is an extensive set of calculations and the codes they reference, maintained to remain current with the frequent code updates issued by various standard committees.

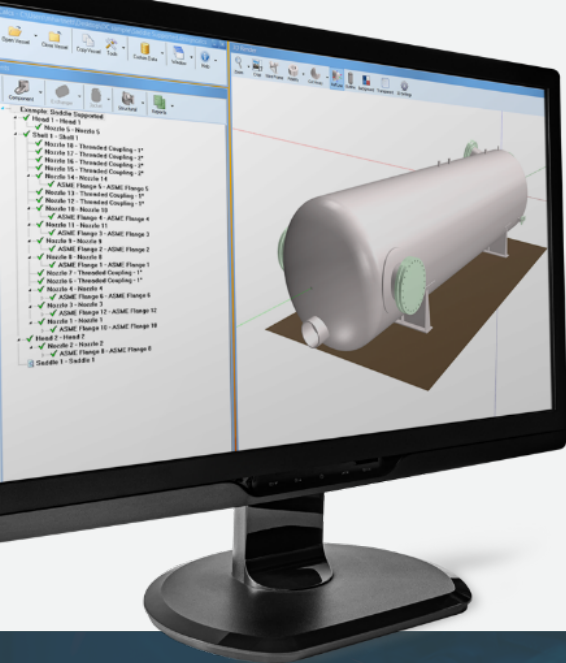
ASME Section VIII is just one of many codes referenced in DesignCalcs: other codes pertaining Pressure Vessel Design include ASME Section II, B16.47, B16.5, B36.10M, in addition to multiple wind and seismic codes. The breadth of supplied and supported codes allow users great flexibility in effective pressure vessel and component design.

A rich array of capabilities is provided to the DesignCalcs user along with an embedded library of industry data and proven methodologies that make ASME BPVC Section VIII pressure vessel design compliance easier than ever before!

LEARN MORE: [thinkcei.com](http://thinkcei.com)

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## DESIGNCALCS PRESSURE VESSEL DESIGN SOFTWARE

DesignCalcs solid modeling software provides a rich array of engineering capabilities designed to save you time and improve design compliance with ASME Section VIII, and multiple other codes, including wind, and seismic compliance.

You will appreciate the intuitive step by step design flow, built-in templates, and reporting capabilities designed by engineering experts in the pressure vessel design, piping, and heat exchanger design industry. We understand compliance.

### QUICK FACTS

✓ Save Time ✓ Updated Code ✓ Calculation Validation Reports

## AVOID THESE PROBLEMS WITH DESIGNCALCS



### RESOURCES WASTED

Resources focused on research not design.



### MATERIALS WASTED

Materials wasted on unoptimized selections.



### HOURS WASTED

Non-compliant designs waste time resulting in rework.

## DESIGNCALCS SOFTWARE FEATURES

### COMPLIANCE

Streamline your design process for compliant pressure vessels per ASME Section VIII.



### DATA LIBRARY

Access the most comprehensive data library, maintained to current code releases.



### ONE-CLICK FORMS

Generate industry accepted report formats ready for inspector reviews.



### UP-TO-DATE CODE

Stay current with code changes using less time, effort & money while finding your relevant sections.

### LOW COSTS

Subscription as low as the cost of the code book, with fees based on the capabilities you use not the ones you don't!

### EXPERT SUPPORT

Engineers available to support users with clarification calls.

## DESIGNCALCS SOFTWARE CAPABILITIES

### CODE COMPLIANCE

- ✓ ASME Section VIII
- ✓ ASME Section II
- ✓ B16.47
- ✓ B16.5
- ✓ B36.10M
- ✓ Multiple wind codes
- ✓ Multiple seismic codes

### DATA LIBRARY

- ✓ Structural shapes
- ✓ Pipes
- ✓ Flanges
- ✓ Maintained to current code
- ✓ Eliminates cross referencing

### INTEGRATION

- ✓ NozzlePro™
- ✓ Solidworks™
- ✓ ProWrite
- ✓ AutoDesk Inventor

### FORMS

- ✓ Automated data load
- ✓ Reduce data entry
- ✓ Fast document sharing
- ✓ National Board and ASME format reports for Stamp certification (U/R/P/H/A)

### USER INTERFACE

- ✓ Single environment
- ✓ Quick, accurate calculations
- ✓ Template driven design

### REPORTS

- ✓ Flexible output
- ✓ Algebraic calculations
- ✓ Audit trail for QA/QCt
- ✓ Inspector review

## DESIGN FASTER & BE MORE EFFICIENT.



ACCESS TO THE CURRENT CODE ENSURED.



COMPLIANT PRESSURE VESSEL & HEAT EXCHANGER DESIGN TO ASME VIII.



EASY TO USE SOFTWARE, BUILT FOR DESIGN ENGINEERS.



READINESS FOR AUDIT AND STAMP TESTS

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