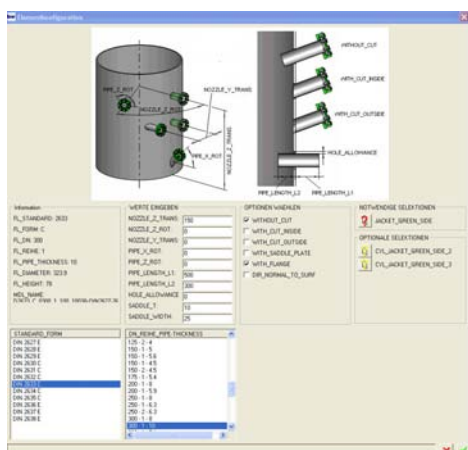




TECHSOFT – Device and Vessel Construction

Develop Devices and Vessels Integrated with Pro/ENGINEER

2D systems are still being used to design devices and vessels because designers will only accept applications that simplify or automate standard tasks.



The device and vessel application, EVX Expert Vessel Extension, supports the design of all types of vessels and devices; EVX can be used alone as well as with the B&W standard and advanced profile systems. When EVX and EFX are combined, the libraries and functionality are managed within one interface.

EVX Expert Vessel Extension Overview

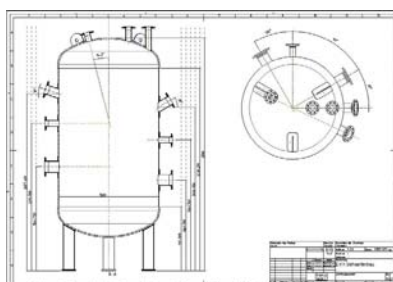
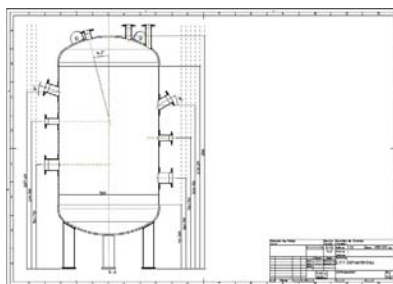
EVX offers user-friendly functionality for the design of bottoms, casings (cylindrical and conical), weight-bearing elements, cut-outs including pre-cut parts, saddleplates and flanges as well as any accessories. The logic behind the coupled components and pre-cut elements are stored in the system. Even the design dialogue is adapted to the special requirements for the design of devices and vessels.

The design of devices and vessels is significantly simplified and accelerated. The solution automatically provides standard construction of each device or vessel. Because the com-

plete intelligence is already available within every component, no further automation is required. All constructions can be designed with global parameters such as diameter, height, or wall thickness, which makes work fast and flexible.

Capabilities

- Efficient assembling of jackets on skeleton models
- Efficient assembling of nozzles incl. nozzle with cut-outs, saddleplates and flanges
- Modify, move, and exchange cut-outs without regeneration problems
- Efficient work with simplified drawings
- Library with common device and vessel norms
- Libraries can be expanded and customized libraries can be created
- Evaluation of Bill of Material
- All pre-cut metal parts including pre-cut parts for production are at all times correct and associative to the model
- Components are optimally prepared as mid-surface models for FEM calculation (e.g. for Pro/MECHANICA)

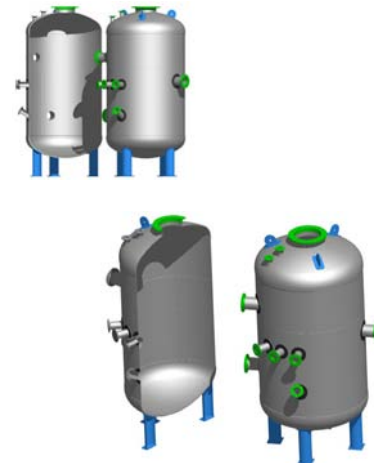


Functionality

- Design of devices and vessels from standard library
- Integrated information for component coupling logic
- Available in two versions: Standard or combined with EFX
- Software requires Windows, Pro/ENGINEER Foundation Advantage may be used with other operating systems upon request

Benefits

- Acceleration of device and vessels construction
- Simplified reuse of predefined and standard components
- Standardized devices and vessels
- Increased productivity and cost savings in construction



For further information

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