



The Piping & Tubing Design Guide is the ORIGINAL SolidWorks Routed Systems Manual

Information on SolidWorks Routing / SolidWorks Routed Systems

SolidWorks Routing is a comprehensive tool to design tubing and piping systems. Regardless of what stage of the design process you are currently involved with, SolidWorks Routed Systems provides a seamlessly integrated approach to creating simple or complex layouts.

Based on specification driven principals while also allowing freestyle designing, SolidWorks Routing allows you to simply sketch the path of your piping systems and all of the piping, tubing and elbows are automatically placed for you. When you are finished sketching the path of your route, you can drag and drop components from the comprehensive library that is included with SolidWorks Routed Systems or create your own custom components such as valves, branches and instrumentation.

To aid in the creation of your own custom libraries, the integrated design wizard examines your components and fittings, recognizes what type of part you have created, then assists you in finalizing the component with all of the necessary data required for use in your route.

SolidWorks Routing also allows you to import design data from sources such as a P&ID, then recommends the placement of fittings between the equipment and components. If you forget to add a valve to your model that is referenced on the P&ID, SolidWorks Routed Systems will alert you to this, and assist in placing it into your route.

Design time can be significantly reduced by allowing SolidWorks to Autoroute tubing and piping for you. Simply select a start point such as the flange on a pump, and the end point like a storage vessel and SolidWorks Routing will identify the system, select the size and type of components from the specification database and route the line to avoid interfering with existing equipment. If you choose to relocate the path, simply drag the sketch to a different location, and everything updates on the fly.

SolidWorks Routed Systems runs on the basic principles of sketching and modeling inside of SolidWorks. If you are familiar with 3D sketches, parts and assemblies then you are already accustomed to using the most common tools in SolidWorks Routing.

To maximize your efficiency and dramatically improve the learning curve, the Piping & Tubing Design Guide from www.forefrontstudios.com has been the essential guide for your technical training library since 2004! Don't take my word for it, research it for yourself and see what others are saying!