



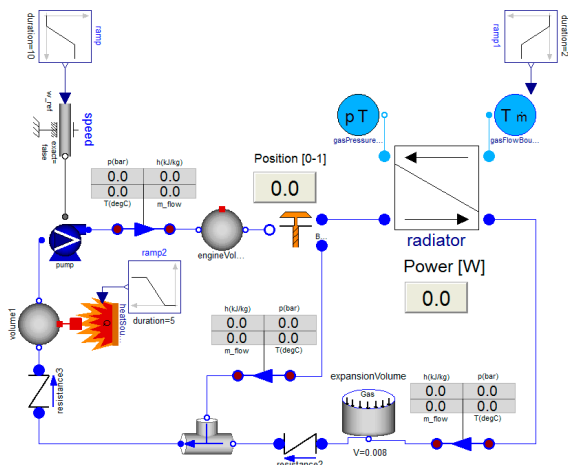
LIQUID COOLING LIBRARY



- Modeling and simulation of liquid cooling systems for virtual prototyping, component dimensioning and control design.

Liquid Cooling Library is targeted to liquid cooling system design with internal compressible or incompressible flow. It is suitable for a broad range of applications, including automotive, industrial equipment and process industry. Applications include engine cooling, battery thermal management, and cooling of power electronics and machines.

Liquid Cooling Library is suited for pump dimensioning, control of thermal transient response and can be used together with geometry based heat exchanger models from the Heat Exchanger Library. Users can connect components freely as they desire, which makes it easy to realize non-standard circuits.



KEY FEATURES

- High performance analysis models of incompressible liquid cooling systems
- 25+ internal flow components such as pipes, bends and junctions with predictive geometry based flow resistance correlations plus generic components that can be calibrated from measurement data
- 15+ fluid models with temperature dependent properties to support cooling system modeling in multiple applications, including water, solutions of glycols, alcohols, salts, motor oil and jet fuels
- Pre-configured templates facilitating creation of simplified, high performance heat exchanger stack models with 3D visualization for parameter verification and presentation of resulting temperatures.

