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R744 data visualization with TLK "StateViewer"

The thermal systems specialist TLK-Thermo presents the latest version of its software "StateViewer" for visualizing transient measurement or simulation data from R744 cycles, among others.

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StateViewer is an advanced software tool for the graphical presentation of transient thermodynamic measurements or simulation data. Different state charts are available with an integrated export function for pictures and animation sequences.

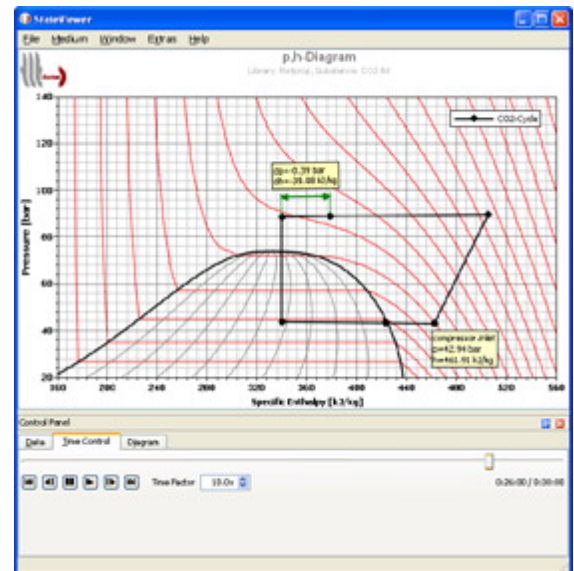
The software is able to import data from different sources. It uses worldwide accepted media data, including from the standard database REFPROP (NIST Reference Fluid Thermodynamic and Transport Properties Database). An interface connects to the middleware TISC (TLK Intersoftware Connector), a co-simulation environment for controlling simulation applications and exchanging data between them.

Overall, the flexible internal interfaces of StateViewer to other media databases and its integration into other applications guarantee a wide range of applications: "StateViewer is an ideal tool to interpret measured data and simulation results in a quick and visually attracting way," says Wilhelm Tegethoff, Managing Director of TLK-Thermo.

Main software features

StateViewer offers the following advantages:

- Visualization of transient data
- Different state chart presentations (p-h, Ts, Th)
- Documentation of states including html export
- Integration in online presentation of measurement data directly at a test bench



Background

TLK-Thermo, a spin-off of the Technical University of Braunschweig, has wide expertise in developing platform independent user-specific software for thermophysical data of materials and fluids, heat transfer and pressure drop correlations. TLK-Thermo offers assistance in R&D projects and market studies related to the analysis of R744 concepts, training and consulting.

More information:

A free lite version of StateViewer can be downloaded at www.tlk-thermo.com

Find out more about TLK-Thermo in our [Engineering Services](#) section



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