

Release of PipelineStudio™ Software v5.4

With the energy transition introducing new complexities for pipeline operators, we've enhanced our latest version of PipelineStudio to help you better navigate changing operational requirements and effectively manage a wider mix of products.

Improve Design, Performance & Throughput

Emerson's advanced PipelineStudio Software offers a unique combination of steady-state and transient analysis of liquid and gas pipeline networks, enabling efficient facility design and operational planning in a single engineering tool.

Versatile

Run steady-state or transient simulations in high-speed or variable speed interactive modes.

Flexible

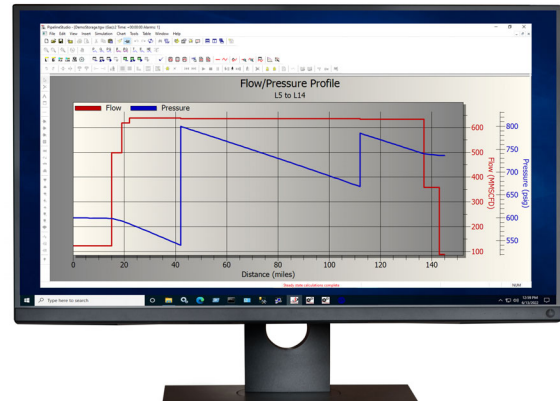
Multiple equations of state, multiple friction factor correlations, and multiple MOP and DRA correlations are provided for maximum flexibility to meet specific needs.

Complete

Detailed models are provided for pipes; block, check, supply, delivery, and regulator valves; coolers; centrifugal and reciprocating compressors; drivers; pumps and many more assets to ensure a complete solution.

Compatibility Assurance

Our Emerson engineers test our solutions against all current supported versions of Microsoft® Windows® to ensure full compliance with any supported Windows operating system, including internationalization.



Enhancing Usability with New Features

GERG Equation of State

PipelineStudio now introduces the much-requested native implementation of the GERG 2008 equation of state. This enhancement enables users to capitalize on a fully-featured GERG 2008 EOS which will determine product blends at mixing nodes and recompute appropriate hydraulic variables.

Load and Lock Starting State Pause at and Pause after

You can now save a state from PipelineStudio to initialize simulations. The saved state can originate from a prior interactive state or, if a compatible version of PipelineManager is in use, a real-time saved state. You can also now configure at time for an interactive simulation to pause to wait for input, or configure a simulation to pause after a predetermined time.

Ammonia and Hydrogen Tables & Anthropogenic Carbon Dioxide Viscosity Correlation

With increased interest in energy transition fluids, PipelineStudio now includes additional fluid tables for Ammonia and Hydrogen. A new anthropogenic carbon dioxide viscosity equation is also available.

Enhancing Usability with New Features

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Thermal Modeling

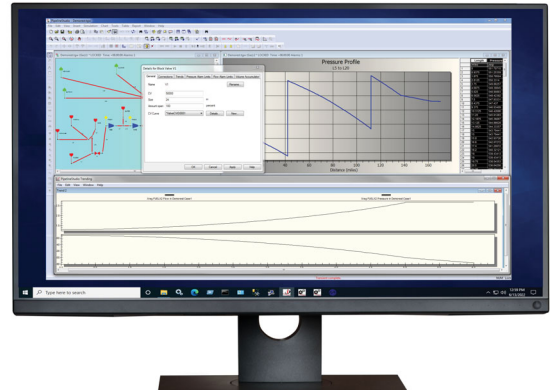
Streamline the simulation of challenging fluids by capitalizing on improved thermal stability when simulating enriched natural gas, pure hydrogen, and carbon dioxide.

Join Pipes

Along with the option to split pipes, pipes with the same properties may now be rejoined.

Report Enhancements

Expedite access to reports with a secure, easy-to-navigate repository that is only available to your authorized users, ensuring specific data can be quickly located by your users as needed. Reports can now also be configured with date and time instead of relative time only.



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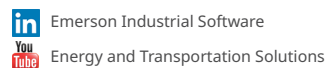
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