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AFT Arrow 9	AFT Arrow 8	AFT Arrow 7
Streamline your setup from the new Analysis Setup menu, a user-friendly workflow condensing 14 model-wide specification windows into 1	Multi-Scenario Comparison: Data can be compared between multiple scenarios to show changes made	Import from CAESAR II® neutral files and Piping Component Files (.pcf) as well as import/export model data from an EPANet file
Visually analyze alternatives with Multi-Scenario Graphing to compare profile graphs and transient plots (XTS) from multiple scenarios on a single plot	Compression ratio can be used to define the compressor performance	Enhanced Excel® integration such as: Export data with a controlled scenario-to-worksheet Manager; improved import model change data with batch import to change multiple scenarios at once using junction and parameter friendly names; easier Cost Database creation using Excel import/export
The brand new Extended Time Simulation (XTS) Add-on Module models dynamic system behavior and how critical system parameters vary over time	Multi-level undo and redo on the Workspace	Isometric grid drawing on the Workspace
Warnings, errors and Design Alerts shown in the Output are now color coded and organized in a prioritized list for quick review	All Summary Output parameters can now be displayed on the Visual Report	Made centrifugal compressor, reciprocating compressor and fan data entry clearer on the Compressor/Fan Property window
Compile data for custom components, pipes, and fluids into the revised Library Manager to save time, share common data among your team, and avoid input error	Improved intelligence on when a model needs to be saved to preserve the output	Improved Relief Valve specification with opening and closing profiles
Use the NEW online Help System for centralized documentation and examples from your browser	New and updated themes	Large models now load faster
Apply the Soave-Redlich-Kwong and the Peng-Robinson equations of state as additional methods to model your fluid	Improved model loading speed	Enhanced pipe heat transfer including external convection coefficient calculation, buried pipe heat transfer, and heat tracing

Ready to access these new features? Email info@aft.com

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Full list of **New Features** you can use in AFT Arrow™ 9

Significant

- The brand new Extended Time Simulation (XTS) Add-on Module models dynamic system behavior and how critical system parameters vary over time
- Streamline your setup from the new Analysis Setup menu, a user-friendly workflow condensing 14 model-wide specification windows into 1
- Warnings, errors and Design Alerts shown in the Output are now color coded and organized in a prioritized list for quick review
- Compile data for custom components, pipes, and fluids into the revised Library Manager to save time, share common data among your team, and avoid input error
- Visually analyze alternatives with Multi-Scenario Graphing to compare profile graphs and transient plots (XTS) from multiple scenarios on a single plot

Overall

- Use the NEW online Help System for centralized documentation and examples from your browser
- Customize the display names for units to accommodate language or notation differences
- Apply the Soave-Redlich-Kwong and the Peng-Robinson equations of state as additional methods to model your fluid

Workspace

- Model component-to-component connections with the new Zero Length Connector pipe option
- Contextually update Junction Special Conditions directly from the toolbar
- Reset Pipes and Junctions as 'Same as Parent Scenario' during specification

Output

- Design Alerts are grouped together on their own tab in the General Output section for easy identification
- Spot concerns by reporting Warnings, Cautions and Design Alerts for each scenario in Multi-Scenario Output
- Save time with enhanced Output window data loading speed

Other

- Batch runs of multiple scenarios now report the number of Warnings and Design Alerts in each scenario
- Run batch runs "silently" in the background to minimize interruptions as each scenario completes
- Search for text in Pipe and Junction Notes, useful for component specifications or intended operating conditions
- Junctions which changed states during a run will be reported to the user, indicating check valve closures and control valve failures for example
- Consider Heat Transfer parameters in the context of the system from Visual Report
- Right-click a pipe or junction table row to quickly find the object on the Workspace

Use this module to model dynamic system behavior and see how critical system parameters vary over time

Model transient events such as tank pressurizing and blowdown, changes in valve position, and changes to compressor operating condition

Animate transient output, visualizing how parameters change over time at a point or along a flow path

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