



## ***CHEMCAD New Features and Enhancements***

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- **Added a new operating mode, TurboK, which can decrease calculation time for complex simulations (2841)**
- **Replaced License Manager 7.2 with RMS License Manager (see important upgrade message) (3364)**
- **Added the capability to use commuter licensing from non-administrator accounts with RMS (2262)**
- **Added the capability to select equation of state for use with Poynting factor (3151)**
- **Added the capability to regress BIPs from partial pressure data (3306)**
- Added the capability to set a keyboard shortcut for drawing streams (3414)
- Improved KREA with capability for solid-gas reactions (3400)
- Added the capability to specify which reaction(s) are deleted for reactor UnitOps (1456)
- Improved the default class selection during creation of a new user-defined electrolyte component (2862)
- Improved convergence for node flowsheets where some UnitOps are near critical flow (3014)
- Enhanced VBClient.xls to enable reporting of unconverged UnitOps (3209)
- Revised ideal gas enthalpy for new components using the Joback method (3213)
- Added a unit label to the Sherwood-Eckert packing factor in column sizing (3294)
- Enhanced stream properties to allow calculation of entropy for a solid (3312)
- Enhanced the CHEMCAD Explorer so that stream numbers are still displayed, even after streams are named (3353)
- Added a 'Liquid & Solid' section to the Tray Properties report (3389)
- Added the capability to set global stream and UnitOp starting ID numbers (3411)
- Added the capability to set display preferences for the Run Trace window (3412)

## ***CHEMCAD Maintenance***

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- Corrected an issue where '%' in stream name caused problems with simulation (2252)
- Corrected an issue with the Symbol Editor utility displaying a failed registry message (2905)
- Corrected a minor issue with air cooler mean temperature difference calculation (3196)
- Corrected an issue with the Close All Charts command leaving equilateral triangle charts open (3296)
- Corrected a rare issue with CHEMCAD stalling during launch while initializing VBA (3346)
- Corrected an issue with the heating value for solid components (3401)
- Corrected an issue with CHEMCAD automation menu.xla for 64-bit Office 2010 (3437)



## CC-THERM

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- **Improved zone temperature calculation for horizontal tube-side condensation with shell-side evaporation (3468)**
- Added new options to the Nozzle dialog for an X-shell with a three-nozzle connection (3015)
- Corrected tube count for no-tube-in-window baffle case (3238)
- Corrected an issue where a superheated vapor error message could prevent a user from running a knockback condenser (3265)
- Corrected an issue where an error message prevented CC-THERM from running a heat exchanger with liquid-stratified sub-cooling flow (3302)
- Added the capability to access fouling factors from Excel Data Maps, controllers, sensitivity studies, etc. (3309)
- Corrected an issue with large static head triggering a message about inadequate driving force (3338)
- Changed the default value for the outlet mole vapor fraction in the Thermosyphon Reboiler specification dialog (3342)
- Added protection for heat curve generation when relevant physical property data is undefined (3348)
- Corrected an issue with TEMA sheet reporting the wrong flow for knockback condensers in some circumstances (3403)

## CC-DYNAMICS

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- Corrected an issue with BREA 'KREA file not found' message for zero reactions (1235)
- Added the capability to run Data Maps for each time step in dynamics mode (1444)
- Added warnings for PID controller measured variable outside min/max range (3210)

## CC-BATCH

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- Improved convergence of batch distillation using SCDS method (3212)