AFT Chempak Suite

AFT Chempak Suite = Three Products That Make Fluid Property Data Availability as Dynamic as Your Analyses
- **Chempak Property Database** - Available individually
- **AFT Chempak Plus** - Includes the AFT Chempak Viewer and the AFT Chempak Add-in for Excel
- **AFT Chempak Suite** - Includes the Database, the Viewer and the Add-in

Available Fluid Properties:

Bulk Modulus of Elasticity	Quality
Compressibility Factor	Saturation Pressure
Critical Pressure	Saturation Temperature
Critical Temperature	Sonic Velocity
Density	Specific Heat, cp
Enthalpy	Specific Heat, cv
Entropy	Specific Volume
Internal Energy	Surface Tension
Isentropic Expansion Coef.,Gamma	Temperature Superheat/Subcooled
Kinematic Viscosity	Temperature
Molecular Weight	Thermal Conductivity
Phase	Viscosity
Prandtl Number	Volume Expansivity
Pressure	

AFT Chempak Property Database
Comprehensive thermo-physical properties on a wide range of fluids for AFT's family of pipe flow modeling software products
- For incompressible pipe flow analysis
  - data on ~700 fluids for AFT Fathom, AFT Impulse and AFT Mercury
  - assemble non-reacting static mixtures
- For compressible flow analysis
  - data on ~600 gases for AFT Arrow and AFT Titan
  - model both static mixtures and dynamic mixing resulting from intersecting flow streams
- Fluids listed by up to 3 commonly used names
- Fluids listed by formula and chemical structure
- Sort on any of the identifiers

AFT Chempak Viewer
Access the Chempak Property Database as a stand-alone application
- Assemble non-reacting mixtures on a mass or mole basis
- Calculate fluid or mixture properties for any combination of the available input parameters as a single point, two point or a range of inputs
- Save or set your parameter and unit preferences as the default
- Sand reload input sets
- Save fluid and mixture sets for quick recall using the Recent Fluids list
- Specify a name for any fluid or mixture and it appears along with the standard Chempak name
- Change units 'on the fly' by double-clicking an output column header

Output
- Chempak Viewer provides both text and graphical output
- Configure which parameters are displayed, display order and units
- Supports English and SI units
- Export as a PDF file or to a spreadsheet for additional calculations
- Select a portion of the output and paste into a spreadsheet
- Customize your graphs using colors, axis scale, titles, markers and more
- Use your graphs in other documents

AFT Chempak Add-in (for Excel™)

Directly access Chempak fluid property functions from within an Excel spreadsheet

- Imbed comprehensive, accurate fluid properties in your spreadsheet based calculations
- Paste or directly enter Chempak functions as you would with any Excel function
- Fluid selection, assembling mixtures, unit preferences and online help are available from the Chempak menu that appears on Excel's menu bar

Note:
- Chempak Viewer, Chempak Add-in and Chempak Plus require Chempak Property Database
- Chempak Property Database requires at least one of the following: AFT Arrow, AFT Fathom, AFT Mercury, Chempak Viewer or Chempak Add-in