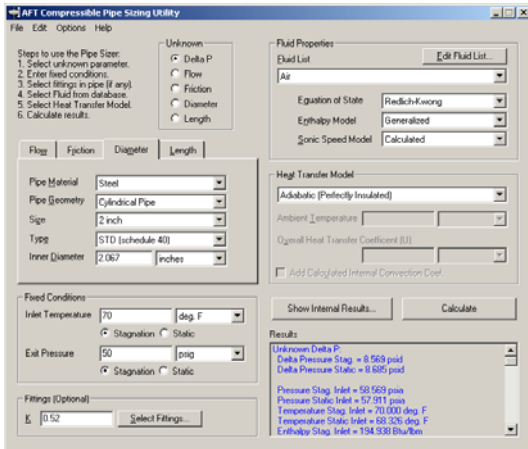


# AFT Engineering Utility Suite 2.0

Designed for quick and easy access to the every day calculations of the thermal/fluid engineer, *AFT Engineering Utility Suite* provides eight utilities for flow/pressure drop and pipe sizing, determination of Reynolds number, friction factor and forced and natural convection coefficients, two-phase flow maps and unit conversion.

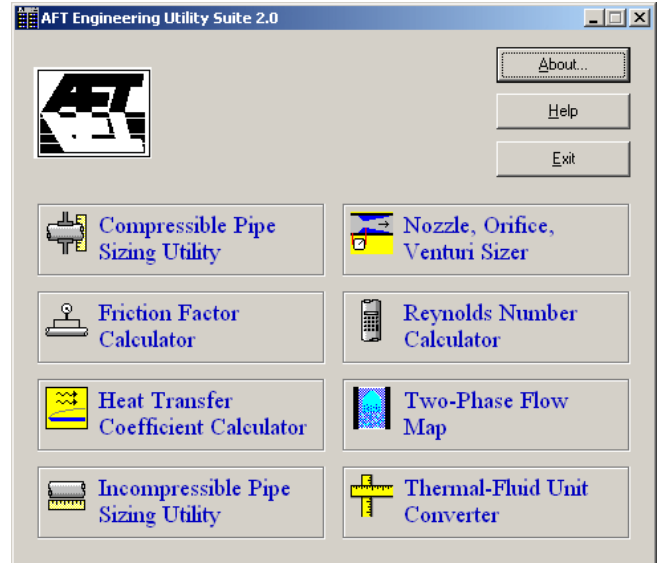
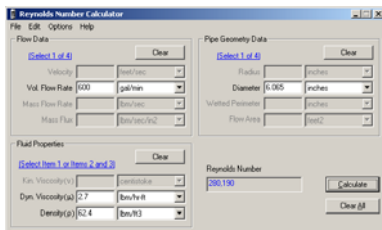
## Compressible Pipe Sizing Utility

Providing input for any four of five variables, Delta P, Flow, Friction, Diameter of Length, the compressible flow pipe sizing utility will solve for the fifth variable. Handles the full range of compressible flow up to and including sonic choking along with adiabatic, isothermal and generalized heat transfer. Includes data for steel, pvc and ductile iron pipe and properties for approximately 30 gases. User defined pipes and gases may be readily added to the database. Supports both english and SI units.



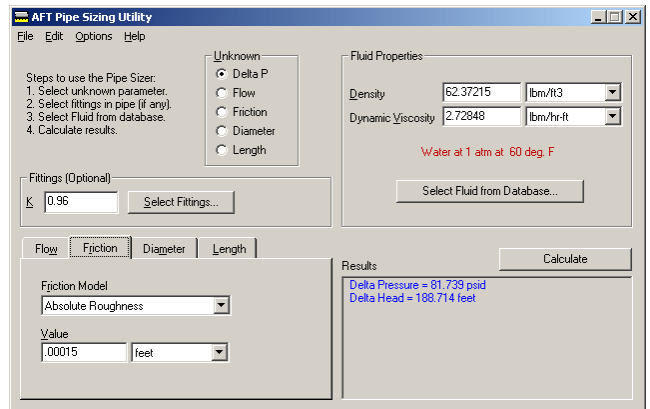
## Reynolds Number Calculator

Calculates pipe Reynolds Numbers for all possible parameter and unit combinations.



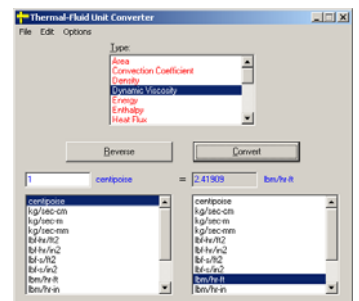
## Incompressible Pipe Sizing Utility

Providing input for any four of five variables, Delta P, Flow, Friction, Diameter of Length, the incompressible flow pipe sizing utility will solve for the fifth variable. Includes data for steel, pvc and ductile iron pipe and properties for approximately 30 gases. User defined pipes and gases may be readily added to the database. Supports both english and SI units.



## Thermal/Fluid Engineering Unit Converter

Offers unit conversions for 20 common parameters in thermal/fluid system engineering.



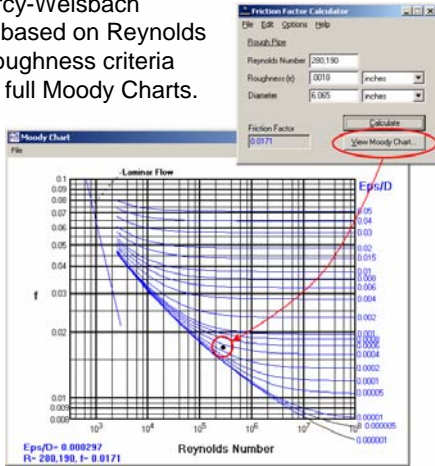
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Dynamic solutions for a fluid world.

# AFT Engineering Utility Suite 2.0



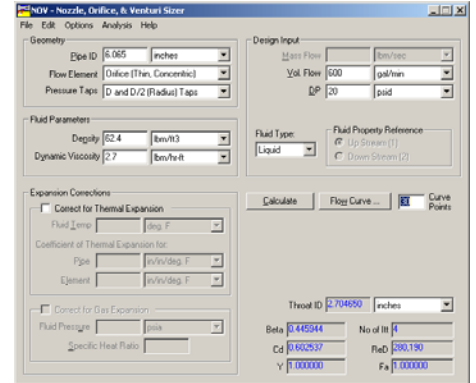
## Friction Factor Calculator

Calculates Darcy-Weisbach friction factors based on Reynolds Number and roughness criteria and generates full Moody Charts.



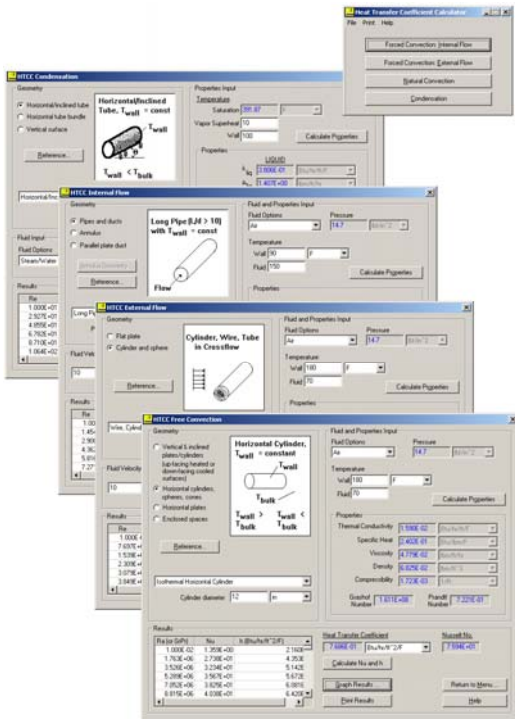
## ASME Nozzle, Orifice, Venturi Sizing Utility

Sizing programs for ASME orifice, venturi and nozzles. Useful for flow meter calculations.



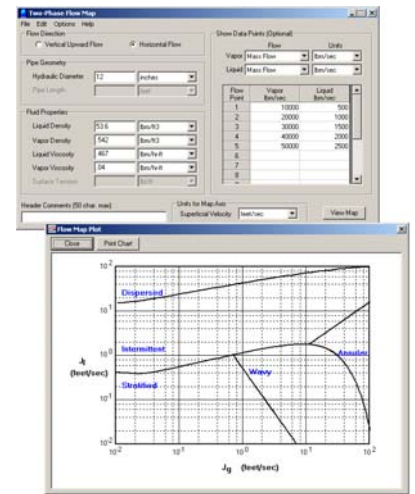
## Heat Transfer Coefficient Calculator

Calculates heat transfer convection coefficients for free, forced, internal and external flow, for liquids and gases, as well as condensation rates.



## Two-Phase Flow Map Utility

Creates flow map of two-phase flow regimes (e.g., annular, chug, etc.) for vertical and horizontal pipes. Displays two-phase operating point on map so engineer can quickly determine operating regime.



**For more information contact:**

Applied Flow Technology  
400 W. Highway 24, Suite 201  
P.O. Box 6358  
Woodland Park, CO 80866-6358

Phone: 800-589-4943 / 719-686-1000  
Fax: 719-686-1001  
E-mail: info@aft.com  
website: www.aft.com