

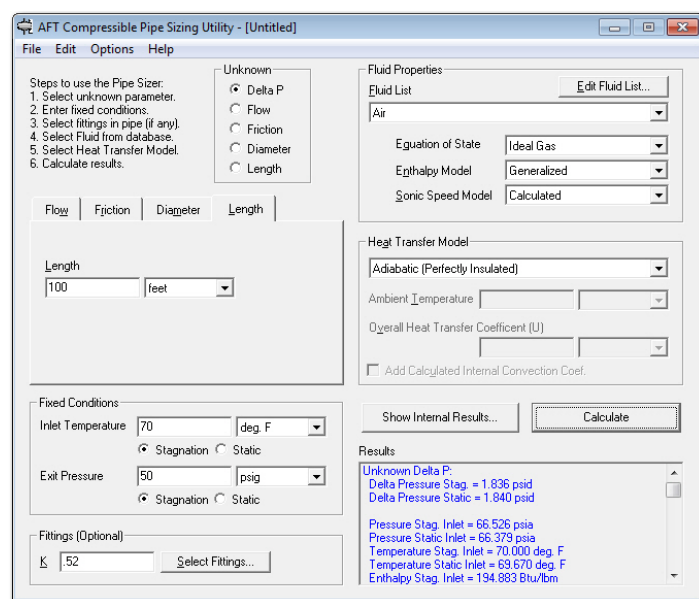
# AFT Engineering Utility Suite™ 2

**Simplify Your Job with These Eight Utility Programs That Help You with Everyday Calculations**



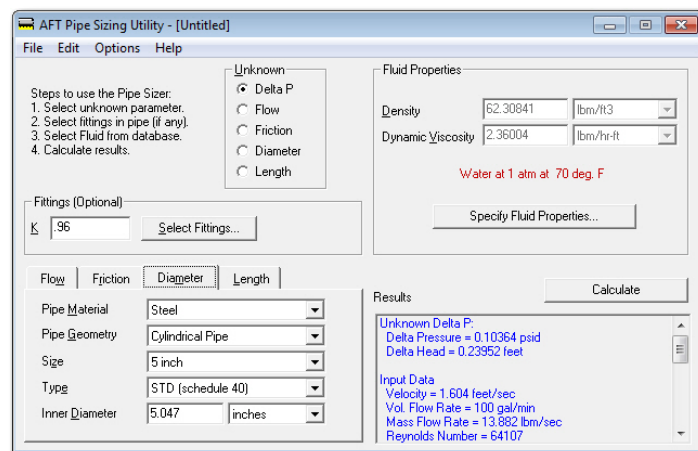
## Compressible Flow Pipe Sizing Utility

- Provide input for any four of five variables, Delta P, Flow, Friction, Diameter or Length, and the compressible flow pipe sizing utility solves for the fifth variable
- Includes data for steel, pvc and ductile iron pipe and properties for approximately 30 gases
- Define and add pipes and gases to the database
- Supports both English and SI units



## Incompressible Flow Pipe Sizing Utility

- Provide input for any four of five variables, Delta P, Flow, Friction, Diameter or Length, and the incompressible flow pipe sizing utility solves for the fifth variable
- Includes data for steel, pvc and ductile iron pipe
- Includes properties for approximately 70 fluids, plus access to the 700 fluids in the optional Chempak™ add-on
- Define and add pipes and liquids to the database
- Supports both English and SI units



## Reynolds Number Calculator

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

## 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

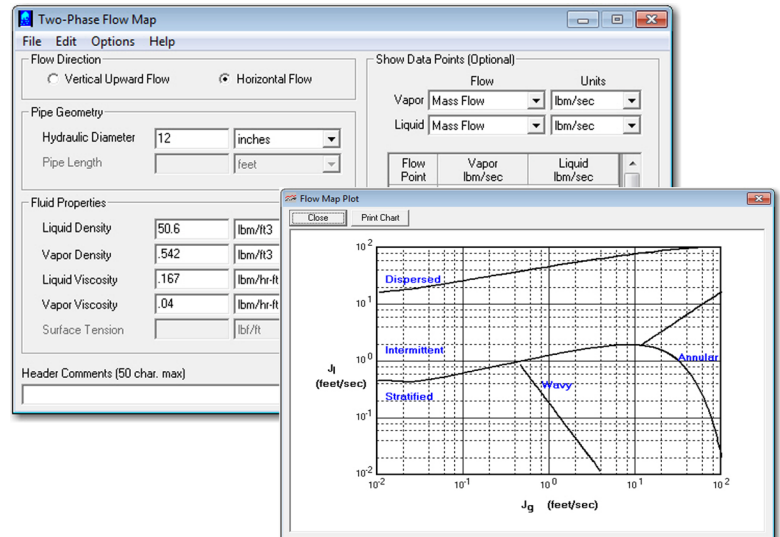
- Calculates heat transfer convection coefficients for free, forced, internal and external flow
- Liquids, gases and condensation rates

## Two-Phase Flow Map Utility

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

## Thermal/Fluid Engineering Unit Converter

- Unit conversions for 20 common parameters in thermal/fluid system engineering



## Get the most out of your AFT software investment

Training by our professional staff helps you learn about AFT software's wide range of capabilities and modeling techniques. Our seminars review fundamental theory, basic through advanced techniques and hands-on modeling. Whether you're a new or experienced user, you'll find an AFT seminar a worthwhile investment of your time.

AFT offers regularly scheduled seminars at our offices in the USA. Seminars can also be held at your facility. Visit [www.aft.com/learning-center/seminars](http://www.aft.com/learning-center/seminars) for more information.

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