



# ENGINEERING TOOLBOX SOFTWARE



## BACKGROUND

Every engineer needs a good toolbox! When performing heat transfer and pressure drop calculations for refrigeration systems, a designer needs tools that are quick and easy to use when finding fluid property data and making pressure drop calculations. The Engineering Toolbox puts these data and design tools in one place in a way that is easy to access and intuitive to use. This unique collection of programs is the result of our own experience designing heat exchangers and piping systems and is now available to you.

## BENEFITS

- Web-based access from [www.colmaccoil.com](http://www.colmaccoil.com)
- Important air and fluid properties along with pressure drop, sound, and surface area calculators at your fingertips
- Includes all commonly available refrigerants and brines
- Unique vertical suction riser design tool allows accurate prediction of pressure drop for any refrigerant

## THE TOOLS

The suite of powerful engineering calculators includes:

- Air Properties
- Brine Properties
- Climate Data
- Refrigerant Properties
- Single Phase Pressure Drop
- Sound Calculator
- Plate Fin Surface Area
- Two Phase Pressure Drop
- Vertical Riser Calculator

## HOW DO I ACCESS THE TOOLBOX?

The Engineering Toolbox is available to any qualified Colmac software user. If you already use A+Pro, CoilPRO, or the Refrigeration Load Simulator software programs you may already have access. If the Engineering Toolbox Menu does not appear when you login then all that is required is a request to our Sales Group or your Local Sales Office.