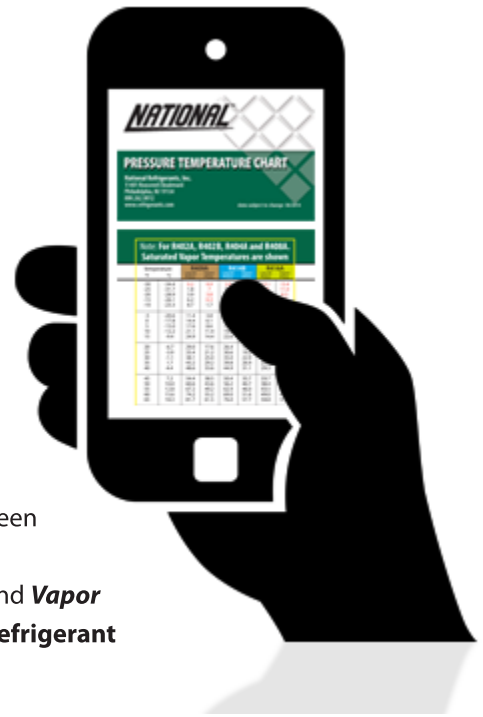




P-T App Instructions



P-T Calculator Screen (Calc button)

Use the **P-T Calculator Screen** to calculate the **Saturated Temperature** for a selected **Refrigerant** at a given **Pressure** (or calculate the **Pressure** from the **Temperature**):

- **Refrigerants** and **Units** are selected on the **Preferences Screen** (Prefs)
- A desired **Refrigerant** is selected from the colored scroll wheel in the middle of the screen
- Enter a **Pressure** value, and the **Saturated Temperature** is calculated by the P-T App
- Note that Refrigerant Blends (e.g., R401A) have two **Saturated Temperatures: Liquid** and **Vapor**
- Entering a **Saturated Temperature** will calculate the relevant **Pressure** for a selected **Refrigerant**
- Vacuum pressure is entered/shown as inches of mercury (in Hg)
- A link to a PDF version of the P-T Chart is provided at the bottom of the screen

Superheat/Subcool Screen (Superheat/Subcool button)

Use the **Superheat/Subcool Screen** to calculate the **Superheat** or **Subcool** value for a selected **Refrigerant**, at a given **Pressure** and **Line Temperature**:

- **Refrigerants** and **Units** are selected on the **Preferences Screen (Prefs)**
- A desired **Refrigerant** is selected from the colored scroll wheel in the middle of the screen
- Enter a **Pressure** and **Line Temperature** value, and tap the Superheat or Subcool tab. The **Saturated Temperature** and **Superheat/Subcool** value is calculated by the P-T App
- Note that Refrigerant Blends (e.g., R401A) have two **Saturated Temperatures, Liquid** and **Vapor**. For Blends, a graphic is displayed at the bottom of the screen, showing:
 - ❖ **Saturated Temperature, Liquid** or **Vapor**
 - ❖ **Average Temperature**
 - ❖ **Saturated Temperature, Vapor** or **Liquid**
 - ❖ **Superheated** or **Subcooled Line Temperature**

Preferences Screen (Prefs button)

Use the **Preference Screen** to select desired **Units** and **Refrigerants**

- Select desired **Units** with the slider (English or Metric). Current Units are indicated on the **P-T Calculator** and **Superheat/Subcool Screens**
- Select desired **Refrigerants** with the appropriate Favorite slider. Multiple **Refrigerants** can be selected and will appear in the scroll wheel on the **P-T Calculator** and **Superheat/Subcool Screens**
- **Altitude** can be calculated/entered several ways (select the appropriate tab):
 - > GPS (default) – relies on the GPS capability of the mobile device. Internet connectivity required.
 - > City, State – enter a “City, State” or “Zip Code” value in the City, State of Zip text box to calculate the altitude. States should be entered with standard abbreviations (e.g., PA). Internet connectivity required.
 - > Manual – enter a value in the Altitude text box.
 - > Altitude values are displayed on the **P-T Calculator** and **Superheat/Subcool Screens**
- Tapping a **Refrigerant** listing displays Composition, Application Notes, and Retrofitting/Replacement information
- Tapping the NRI logo on a **Refrigerant** listing links to a detail information page on the NRI website