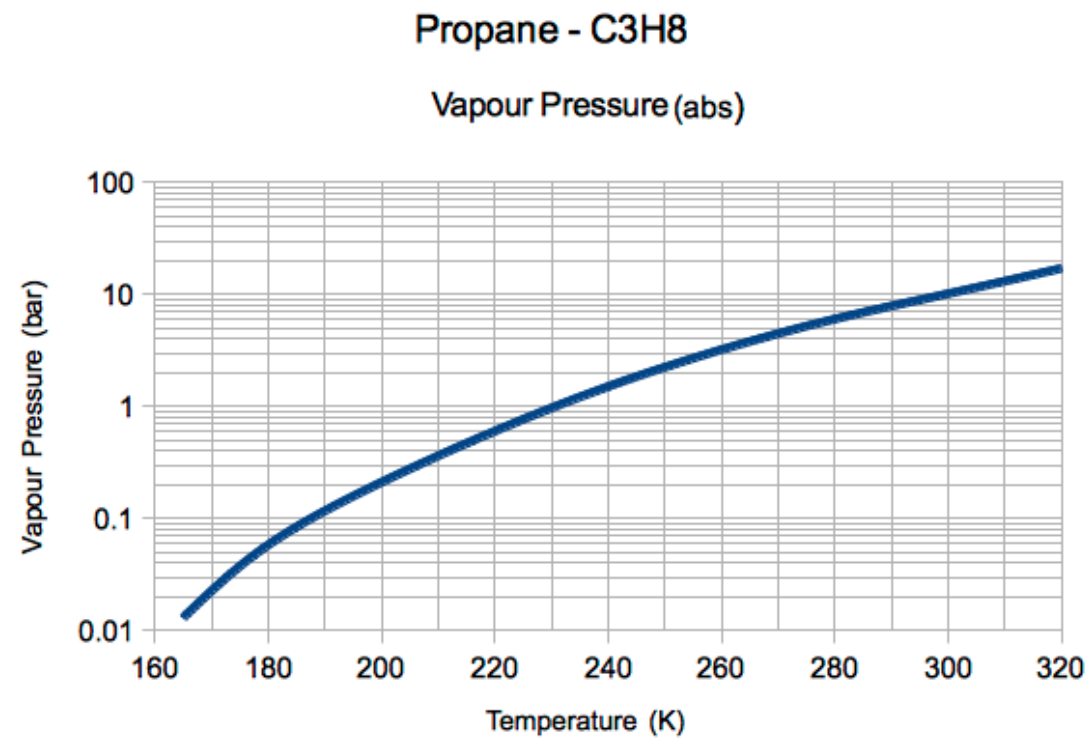
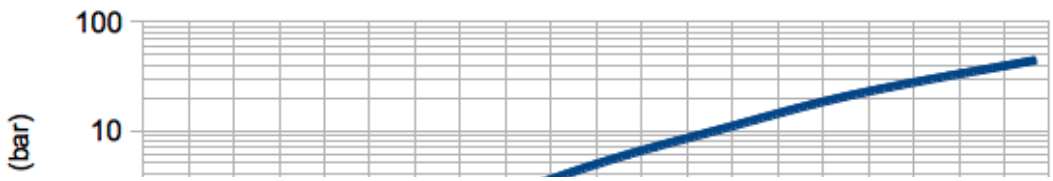
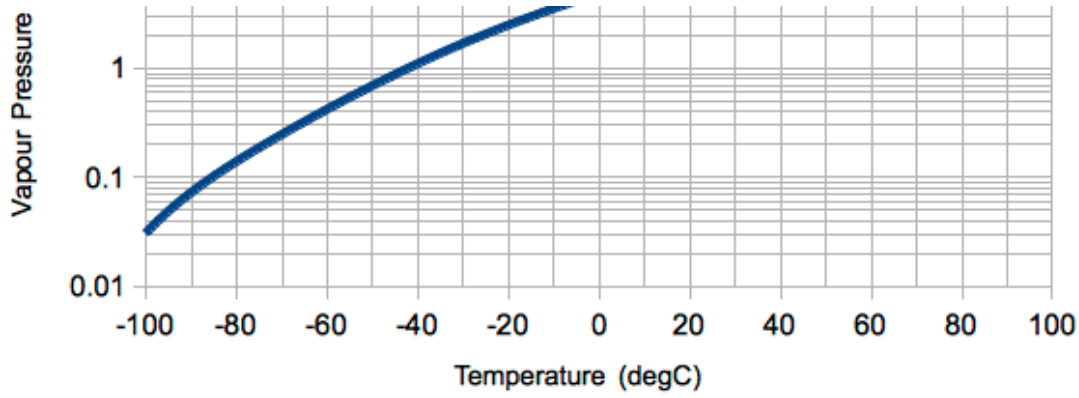
Propane - Vapor Pressure vs. Temperature

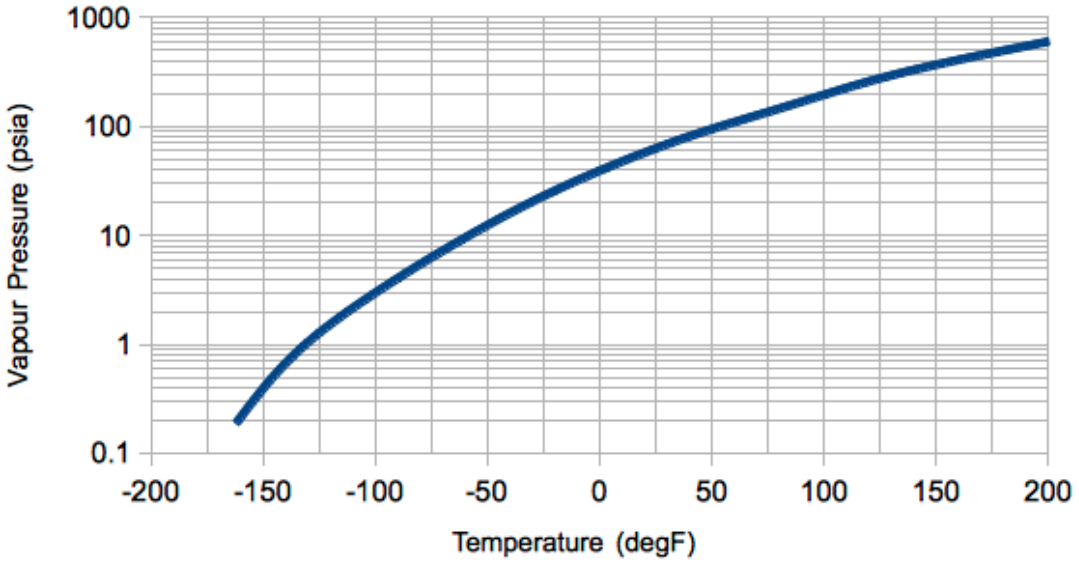
Vapor pressure vs. temperature.

The vapor pressure of propane *(C_3H_8)* depends on the temperature. Vapor pressure of 100% propane:









Note! The metric chart indicates gauge pressure. The Imperial chart indicates absolute pressure. Imperial gauge pressure can be calculated as

psig = psia - 14.7 (psi)

- Propane Vapor Pressure in pdf-format

See also other properties of **Propane** at **varying temperature and pressure**: Density and specific weight , Dynamic and Kinematic Viscosity , Prandtl number , Specific heat (heat capacity) , Thermal conductivity and Thermal diffusivity , and Thermophysical properties at standard conditions .

Related Topics

- **Combustion** - Boiler house topics, fuels like oil, gas, coal, wood - chimneys, safety valves, tanks - combustion efficiency.

Related Documents

- **Adiabatic Flame Temperatures** - Adiabatic flame temperatures for hydrogen, methane, propane and octane - in Kelvin.
- **Gases - Explosion and Flammability Concentration Limits** - Flame and explosion limits for gases like propane, methane, butane, acetylene and more.
- **Hydrocarbons - Vapor Pressure** - Vapor pressure vs. temperature for propane, n-butane, n-heptane and n-pentane hydrocarbons.
- **Liquids - Densities** - Densities of common liquids like acetone, beer, oil, water and more.
- **Liquids - Vapor Pressures** - Vapor and saturation pressure for some common liquids.
- **LP Gas Properties** - Liquefied Petroleum - LP - gas properties.
- **LPG Pipes - Pressure Loss vs. Gas Flow** - Resistance and pressure loss in liquid LPG pipes.
- **LPG Tanks - Relief Valves Capacities** - Required capacities of relief valves on LPG vaporizers and tanks.
- **Propane - Density and Specific Weight vs. Temperature and Pressure** - Online calculator, figures and tables showing density and specific weight of propane, C_3H_8, at temperatures ranging from -187 to 725 °C (-305 to 1300 °F) at atmospheric and higher pressure - Imperial and SI Units.
- **Propane - Dynamic and Kinematic Viscosity vs. Temperature and Pressure** - Online calculators, figures and tables showing dynamic and kinematic viscosity of liquid and gaseous propane at varying temperarure and pressure, SI and Imperial units.
- **Propane - Latent Heat of Vaporization vs. Temperature** - Latent heat with vaporized propane.
- **Propane - Prandtl Number vs. Temperature and Pressure** - Figures and tables with Prandtl Number of liquid and gaseous propane at varying temperarure and pressure, SI and Imperial units.
- **Propane - Thermal Conductivity vs. Temperature and Pressure** - Online calculator, figures and tables showing thermal conductivity of liquid and gaseous propane at varying temperarure and pressure, SI and Imperial units.
- **Propane - Thermal Diffusivity vs. Temperature and Pressure** - Figures and tables

showing thermal diffusivity of liquid and gaseous propane at varying temperarure and pressure, SI and Imperial units.

- **Propane - Thermophysical properties** - Chemical, physical and thermal properties of propane gas - C_3H_8.
- **Propane Air Mixture** - Energy content and specific gravity of propane air mixtures.
- **Propane Butane Mixture - Evaporation Pressure** - Evaporation pressure of propane butane mixture vs. temperature.
- **Propane Gas - Sizing Pipe Lines** - Sizing low pressure propane gas pipe lines - Metric units.
- **Propane Gas Piping - Capacity vs. Size** - Sizing of propane gas pipe lines with pressures above *5 psig (35 kPa)*.

Translate this Page to

Arabic - Chinese (Simplified) - Chinese (Traditional) - Dutch - French - German - Italian - Japanese - Korean - Portuguese - Russian - Spanish - - or select Your own language

About the ToolBox

We appreciate any comments and tips on how to make The Engineering ToolBox a better information source. Please contact us by email

- editor.engineeringtoolbox@gmail.com

if You find any faults, inaccuracies, or otherwise unacceptable information.

Privacy

We don't collect information from our users. Only emails and answers are saved in our archive. Cookies are only used in the browser to improve user experience.

Some of our calculators and applications let you save application data to your local computer. These applications will - due to browser restrictions - send data between your browser and our server. We don't save this data.

Google use cookies for serving our ads and handling visitor statistics. Please read Google Privacy & Terms for more information about how you can control adserving and the information collected.

AddThis use cookies for handling links to social media. Please read AddThis Privacy for more information.

Citation

This page can be cited as

- Engineering ToolBox, (2006). *Propane - Vapor Pressure vs. Temperature*. [online] Available at: https://www.engineeringtoolbox.com/propane-vapor-pressure-d_1020.html [Accessed Day Mo. Year].

Modify access date.

3D Schematics Apps

Home

- **Acoustics**
- **Air Psychrometrics**
- **Basics**
- **Combustion**
- **Drawing Tools**
- **Dynamics**
- **Economics**
- **Electrical**
- **Environment**
- **Fluid Mechanics**
- **Gases and Compressed Air**
- **HVAC Systems**

Convert!

Area

1.0

- m^2
- km^2
- in^2
- ft^2
- $miles^2$
- *acres*

Convert!

Volume

1.0

- m^3
- *liters*
- in^3
- ft^3
- *us gal*

Convert!

Weight

1.0

- kg_f
- *N*
- lb_f

Convert!

Velocity

1.0

- *m/s*
- *km/h*
- *ft/min*
- *ft/s*
- *mph*

- knots

Convert!

Pressure

1.0

- Pa (N/m^2)
- bar
- mm H_2O
- kg/cm^2
- psi
- inches H_2O

Convert!

Flow

1.0

- m^3/s
- m^3/h
- US gpm
- cfm

Convert!

Scientific Online Calculator

2 17

print view

Make Shortcut to Home Screen?