



Engineering ToolBox - Resources, Tools and Basic Information for Engineering and Design of Technical Applications!

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## Propane - Vapor Pressure vs. Temperature

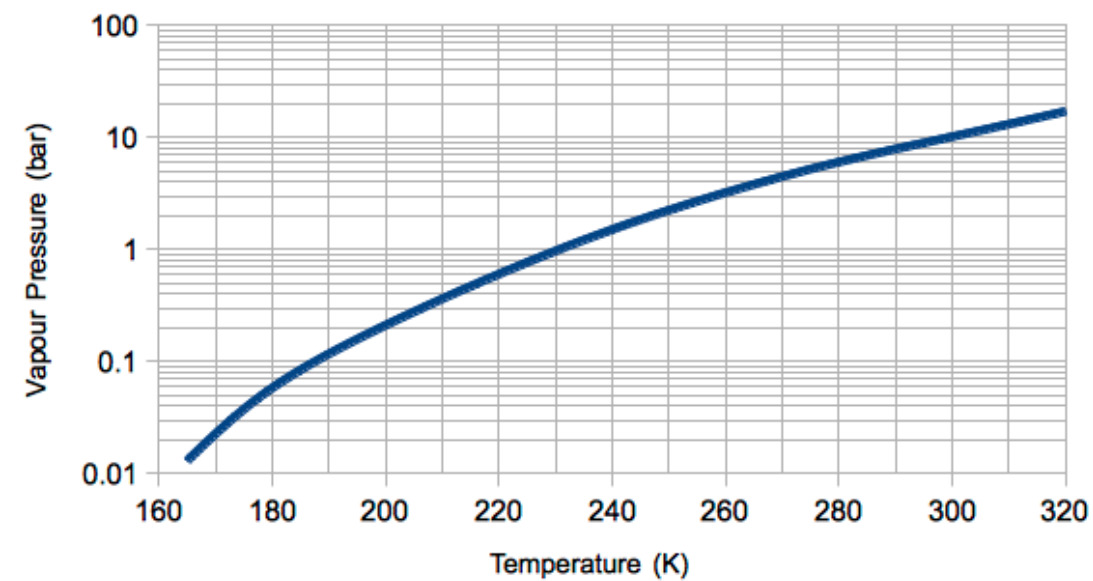
### Vapor pressure vs. temperature.

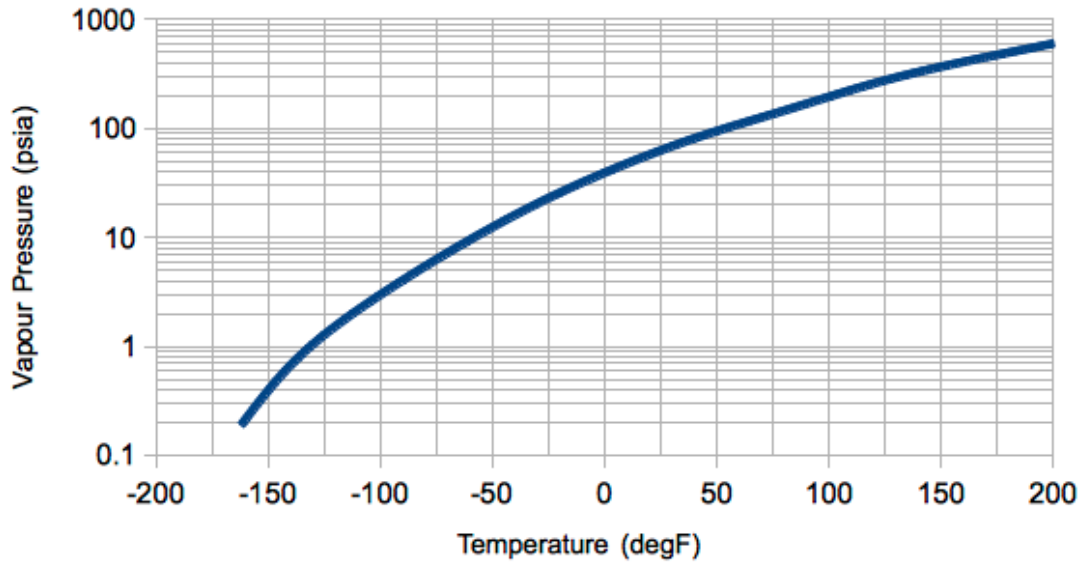
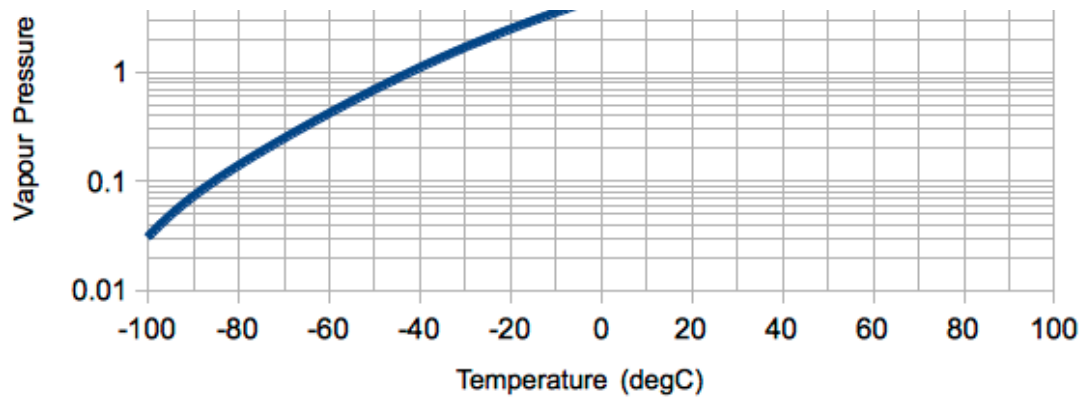
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The vapor pressure of [propane](#) ( $C_3H_8$ ) depends on the temperature. Vapor pressure of 100% propane:

#### Propane - C<sub>3</sub>H<sub>8</sub>

##### Vapour Pressure (abs)





## The Engineering ToolBox

www.EngineeringToolBox.com

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](#) .

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## Related Topics

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

## Related Documents

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- **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 temperature 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 temperature 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 temperature 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 temperature 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).

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### Unit Converter

Temperature

0.0

°C

°F

Convert!

Length

1.0

m

km

in

ft

yards

miles

naut miles

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<sup>2</sup>)

bar

mm H<sub>2</sub>O

kg/cm<sup>2</sup>

psi

inches H<sub>2</sub>O

Convert!

Flow

1.0

m<sup>3</sup>/s

m<sup>3</sup>/h

US gpm

cfm

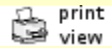
Convert!

Scientific Online Calculator



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