

### Physical Properties of Refrigerants

### R141b

### Pressure- Temp Chart

Physical Property	R141b Value
Environmental Classification	HCFCs
Formula	CH <sub>3</sub> CCl <sub>2</sub> F
Molecular Weight	117
Boiling Point (101.3 kpa, °C)	32.1
Freezing point (°C)	-103.5
Critical Pressure (kpa)	4640.2
Critical Temperature (°C)	210.2
Critical Density(kg/m <sup>3</sup> )	458.55
Liquid Density 30°C (kg/m <sup>3</sup> )	1222.2
Vapour Density (air = 1.0)	-
Vapour pressure at 25°C ( Bar )	79
Specific Heat Liquid 30 °C (KJ/Kg.K)	1.17
Specific Heat Vapor 25 °C (KJ/Kg.K)	-
Ozone Depletion Potential (CFC 11 -1.0)	0.086
Global Warming Potential (CO <sub>2</sub> = 1.0)	630
ASHRAE Standard 34 Safety Rating	N.C.+++

Temp °C	R141b psig
-101.1	-14.7
-100.6	-14.7
-100.0	-14.7
-99.4	-14.7
-98.9	-14.7
-98.3	-14.7
-97.8	-14.7
-97.2	-14.7
-96.7	-14.7
-96.1	-14.7
-95.6	-14.7
-95.0	-14.7
-94.4	-14.7
-93.9	-14.7
-93.3	-14.7
-92.8	-14.7
-92.2	-14.7
-91.7	-14.7
-91.1	-14.7
-90.6	-14.7
-90.0	-14.7
-89.4	-14.7
-88.9	-14.7
-88.3	-14.7

This information is believed to be accurate and reliable but is provided for guidance only.

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