



TOGETHER WE CAN

Technical Information Sheet

Physical Properties of Refrigerants	R448A
Environmental Classification	HFO
Molecular Weight	86.3 lbm/lbmol
Boiling Point (1atm, °F)	-51.0
Critical Pressure (psia)	666.4
Critical Temperature (°F)	180.8
Critical Density(lb./ft^3)	28.80
Liquid Density (32 °F, lb./ft^3)	74.77
Vapor Density (bp, lb./ft^3)	0.2937
Heat of Vaporization(bp, BTU/lb.)	103.9
Specific Head Liquid(20 °F, BTU/lb. °F)	-
Specific Head Vapor (1atm, 20 °F, BTU/lb. °F)	-
Ozone Depletion Potential (CFC 11 -1.0)	0
Global Warming Potential (4th/5th IPCC)	1387/1273
ASHRAE Standard 34 Safety Rating	A1

Pressure- Temp Chart

Temp °F	R448A psig
-45.5	0.0
-40.7	2.0
-34.3	5.0
-30.5	7.0
-25.2	10.0
-20.4	13.0
-16	16.0
-10.6	20.0
-5.7	24.0
-0.1	29.0
5.1	34.0
10.8	40.0
16.0	46.0
20.8	52.0
26.1	59.0
28.9	63.0
31.6	67.0
41.6	83.0
51.4	101.0
61.1	121
70.1	142
74.9	154.0
79.8	167.0
84.8	181.0
89.8	196.0
94.9	212.0
100	229.0
104.9	246.0
109.8	264.0
115.0	284.0
119.9	304.0
124.8	325.0
129.9	348.0
130.1	349.0
135.0	372.0
140.0	397.0

R448A

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

This information is believed to be accurate and reliable but is provided for guidance only. A-Gas accepts no responsibility and the user assumes all risks and liability for use of this information.