

Physical Properties of Refrigerants

R406A

Pressure- Temp Chart

Enviromental Classification	HCFCs
Formula	CHClF ₂ /CH ₃ CClF ₂ /C ₄ H ₁₀
Molecular Weight	90
Boiling Point (101.3 kpa, °C)	-32.7
Freezing point (°C)	101.3
Critical Pressure (kpa)	4.88
Critical Temperature (°C)	116.5
Critical Density(kg/m ³)	482.16
Liquid Density 30°C (kg/m ³)	1126
Vapour Density (air = 1.0)	3
Vapour pressure at 20°C (Bar)	5.62
Specific Heat Liquid 30 °C (KJ/Kg.K)	-
Ozone Depletion Potential (CFC 11 -1.0)	0.0562
Global Warming Potential (CO ₂ = 1.0)	1943
ASHRAE Standard 34 Safety Rating	A1/A2

Temp °C	R406A psig	
	Bub	Dew
-50	-75	-57
-48	-72	-52
-46	-68	-48
-44	-65	-42
-42	-61	-36
-40	-56	-29
-38	-51	-22
-36	-45	-14
-34	-40	-6
-32	-34	2
-30	-27	12
-28	-19	21
-26	-12	32
-24	-3	43
-22	6	56
-20	16	69
-18	26	83
-16	37	97
-14	49	112
-12	61	129
-10	74	146
-8	89	164
-6	104	183
-4	120	203
-2	137	225
0	155	247
2	174	271
4	194	296
6	215	321
8	237	349
10	260	377
12	285	407
14	311	438
16	338	471
18	367	504
20	396	539
22	427	577
24	460	615
26	495	655
28	531	697
30	568	740
32	606	785
34	647	832
36	690	881
38	734	931
40	780	983
42	828	1038
44	878	1093
46	929	1151
48	983	1211
50	1040	1274
52	1098	1338
54	1158	1404
56	1220	1472
58	1285	1543
60	1353	1616

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

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