

Refrigerant Pressure Temperature Chart

		Temperature / °F																											
Refrigerants		-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
	R-11	-26.6	-26.1	-25.5	-24.8	-24.0	-23.2	-22.2	-21.1	-20.0	-18.7	-17.2	-15.7	-13.9	-12.0	-10.0	-7.8	-5.3	-2.7	0.1	1.6	3.2	5.0	6.9	8.9	11.1	13.4	15.8	18.5
	R-12	2.5	4.5	6.8	9.2	11.9	14.7	17.8	21.1	24.7	28.6	32.7	37.1	41.8	46.9	52.2	57.9	64.0	70.4	77.2	84.4	92.0	100.1	108.6	117.5	127.0	136.9	147.3	158.3
	R-22	13.2	16.5	20.1	24.0	28.3	32.8	37.8	43.1	48.8	55.0	61.5	68.6	76.1	84.1	92.6	102.0	111.2	121.4	132.0	143.6	156.0	168.4	181.8	195.9	210.7	226.4	242.8	260.0
	R-113	-28.9	-28.7	-28.5	-28.3	-28.0	-27.6	-27.2	-26.8	-26.3	-25.8	-25.2	-24.5	-23.8	-22.9	-22.0	-21.0	-19.9	-18.6	-17.3	-15.8	-14.2	-12.5	-10.6	-8.6	-6.4	-4.0	-1.4	0.7
	R-114	-21.9	-20.7	-19.3	-17.9	-16.2	-14.4	-12.4	-10.2	-7.9	-5.2	-2.4	0.4	2.0	3.8	5.7	7.8	10.0	12.4	15.0	17.8	20.8	23.9	27.3	30.9	34.7	38.7	43.0	47.6
	R-115	10.8	13.7	16.9	20.3	24.1	26.1	32.4	37.0	42.0	47.4	53.1	59.1	65.6	72.5	79.8	87.6	95.8	104.5	114.0	123.5	134.0	144.6	156.0	168.0	180.7	193.9	207.9	222.5
	R-123	-27.5	-27.1	-26.6	-26.0	-25.4	-24.6	-23.8	-22.9	-21.9	-20.8	-19.6	-18.2	-16.7	-15.0	-13.2	-11.2	-9.0	-6.7	-4.1	-1.2	0.9	2.5	4.2	6.1	8.1	10.3	12.6	15.1
	R-125	24.1	28.5	33.3	38.5	44.1	50.2	56.7	63.7	71.2	79.3	87.8	97.0	107.0	117.1	128.1	139.8	152.2	165.3	179.2	193.9	209.3	225.7	242.9	261.0	280.1	300.2	321.3	343.5
	R-134a	-0.1	1.9	4.1	6.5	9.1	11.9	15.0	18.4	22.1	26.1	30.4	35.0	40.0	45.4	51.2	57.4	64.0	71.1	78.6	86.7	95.2	104.3	113.9	124.1	134.9	146.4	158.4	171.1
	R-142b	-14.9	-12.9	-10.7	-8.3	-5.7	-2.8	0.2	1.9	3.7	5.7	7.9	10.2	12.8	15.6	18.5	21.7	25.1	28.8	32.8	37.0	41.5	46.3	51.4	56.8	62.6	68.7	75.2	82.1
	R-401A	6.4	9.0	11.7	14.8	18.0	21.6	25.4	29.5	34.0	38.8	43.9	49.4	55.3	61.6	68.4	75.5	83.1	91.2	99.8	108.9	118.5	128.6	139.4	150.7	162.6	175.1	188.3	202.2
	R-401B	7.7	10.4	13.3	16.4	19.9	23.6	27.6	32.0	36.7	41.7	47.1	52.9	59.1	65.7	72.7	80.2	88.2	96.6	105.6	115.1	125.2	135.8	147.0	158.9	171.3	184.4	198.2	212.7
	R-402A	21.4	25.5	29.9	34.8	40.0	45.6	51.6	58.1	65.0	72.5	80.5	89.0	98.0	107.7	117.9	128.8	140.4	152.6	165.6	179.2	193.7	208.9	224.9	241.8	259.6	278.2	297.8	318.3
	R-402B	19.0	22.9	27.0	31.6	36.5	41.7	47.4	53.3	60.1	67.1	74.6	82.6	91.2	100.3	109.9	120.2	131.1	142.7	154.9	167.8	181.4	195.8	211.0	226.9	243.7	261.3	279.8	299.2
	R-404A	21.2	25.3	29.7	34.5	39.7	45.2	51.3	57.7	64.7	72.1	80.0	88.5	97.6	107.2	117.4	128.3	139.8	152.0	164.9	178.6	193.0	208.2	224.2	241.1	258.9	277.5	297.1	317.6
	R-407A	19.8	23.8	28.1	32.9	38.0	43.5	49.4	55.8	62.7	70.1	78.0	86.4	95.4	105.0	115.2	126.1	137.6	149.8	162.7	176.3	190.7	205.9	221.9	238.8	256.5	275.1	294.7	315.1
	R-407C	17.5	21.3	25.4	29.9	34.7	39.9	45.6	51.7	58.2	65.2	72.7	80.7	89.3	98.4	108.2	118.5	129.5	141.1	153.5	166.5	180.3	194.8	210.1	226.3	243.2	261.1	279.8	299.4
	R-407F	14.7	25.0	29.5	34.5	39.8	45.5	51.7	58.4	65.6	73.3	81.5	90.3	99.7	109.7	120.3	131.3	143.6	156.3	169.8	184.0	199.1	214.9	231.6	249.2	267.7	287.1	307.6	375.0
	R-407H	18.6	22.5	26.7	31.4	36.4	41.8	47.7	54.0	60.8	68.0	75.8	84.2	93.0	102.5	112.6	123.4	134.8	146.8	159.6	173.2	187.4	202.5	218.4	235.2	252.8	271.3	290.8	311.2
	R-408A	19.1	23.0	27.2	31.7	36.6	41.9	47.6	53.7	60.2	67.3	74.8	82.8	91.3	100.4	110.1	120.4	131.3	142.8	155.0	167.9	181.6	195.9	211.1	227.0	243.8	261.4	279.9	299.2
	R-409A	7.5	10.0	12.9	16.0	19.4	23.1	27.0	31.2	35.8	40.7	46.0	51.6	57.7	64.1	70.9	78.2	86.0	94.2	102.9	112.1	121.8	132.1	142.9	154.3	166.4	179.0	192.3	206.2
	R-410A	31.7	37.0	42.8	49.0	55.8	63.0	70.9	79.3	88.4	98.1	108.5	119.6	131.4	144.0	157.4	171.6	186.7	202.7	219.7	237.6	256.5	276.4	297.4	320.0	342.9	367.4	393.1	420.1
	R-414A	4.7	7.0	9.6	12.4	15.4	18.6	22.1	25.9	30.0	34.4	39.1	44.2	49.6	55.3	61.5	68.0	75.0	82.4	90.2	98.4	107.2	116.4	126.2	136.4	147.2	158.6	170.5	183.0
	R-414B	6.7	9.2	11.9	14.9	18.1	21.7	25.4	29.5	33.9	38.6	43.7	49.1	54.9	61.0	67.6	74.6	82.0	89.9	98.2	107.1	116.4	126.2	136.6	147.6	159.1	171.2	183.9	197.0
	R-416A	-1.4	0.4	2.3	4.5	6.8	9.4	12.2	15.2	18.5	22.1	25.9	30.1	34.6	39.4	44.6	50.1	56.0	62.3	69.0	76.2	83.8	91.9	100.5	109.5	119.1	129.3	140.0	151.2
	R-417A	11.2	14.3	17.7	21.3	25.3	29.6	34.2	39.2	44.6	50.4	56.6	63.3	70.4	78.0	86.0	94.6	103.7	113.4	123.7	134.6	146.0	158.2	170.7	184.5	198.7	213.7	229.0	245.9
	R-421A	13.2	16.5	20.1	24.0	28.2	32.8	37.8	43.1	48.9	55.0	61.7	68.7	76.3	84.3	92.9	102.0	111.7	122.0	132.9	144.4	156.6	169.5	183.1	197.4	212.4	228.3	244.9	262.4
	R-422D	16.2	19.8	23.7	27.9	32.5	37.5	42.8	48.5	54.7	61.3	68.4	75.9	84.0	92.6	101.7	111.4	121.7	132.6	144.1	156.3	169.2	182.8	197.1	212.2	228.0	244.7	262.3	280.7
	R-438A	15.3	18.8	22.7	26.8	31.4	36.3	41.6	47.5	53.4	59.9	67.0	74.5	82.5	91.1	100.2	109.8	120.1	131.0	142.5	154.7	167.6	181.2	195.5	210.6	226.5	243.1	260.7	279.1
	R-448A	20.8	24.9	29.4	34.2	39.4	45.1	51.2	57.8	64.8	72.3	80.4	89.0	98.2	108.0	118.4	129.4	141.1	153.5	166.6	180.5	195.1	210.5	226.7	243.7	261.7	280.5	300.2	320.9
	R-449A	20.1	24.2	28.6	33.4	38.5	44.1	50.1	56.6	63.5	70.9	78.9	87.4	96.4	106.1	116.3	127.2	138.8	151.0	163.9	177.6	192.0	207.2	223.2	240.1	257.8	276.4	295.9	316.3
	R-452A	22.0	26.2	30.8	35.7	41.1	46.9	53.1	59.8	66.9	74.6	82.8	91.5	100.9	110.8	121.3	132.4	144.3	156.8	170.0	183.9	198.6	214.1	230.4	247.6	265.6	284.5	304.3	325.1
	R-500	5.6	8.0	10.6	13.4	16.5	19.8	23.4	27.3	31.5	36.0	40.8	46.0	51.5	57.4	63.6	70.3	77.4	84.9	92.9	101.4	110.3	119.7	129.7	140.2	151.3	162.9	175.2	188.0
	R-502	18.8	22.6	26.6	31.0	35.7	40.8	46.3	52.2	58.5	65.3	72.5	80.2	88.3	97.1	106.3	116.1	126.5	137.5	149.1	161.4	174.4	188.0	202.4	217.5	233.4	250.0	267.5	285.5
	R-507A	22.0	26.2	30.7	35.6	40.9	46.6	52.7	59.3	66.4	74.0	82.1	90.8	100.0	109.8	120.3	131.3	143.1	155.6	168.7	182.7	197.4	212.9	229.2	246.4	264.5	283.6	303.5	324.5
	R-513A	2.4	4.6	7.0	9.6	12.4	15.5	18.6	22.5	26.4	30.7	35.2	40.1	45.4	51.1	57.1	63.5	70.4	77.7	85.5	93.8	102.6	111.9	121.7	132.1	143.1	154.7	166.9	179.8
	R-514A	29.5	34.6	40.1	46.1	52.5	59.5	66.9	75.0	83.6	92.9	102.8	113.3	124.6	136.6	149.4	162.9	177.3	192.5	208.6	225.6	243.6	262.5	282.5	303.6	325.7	348.9	373.4	399.1