

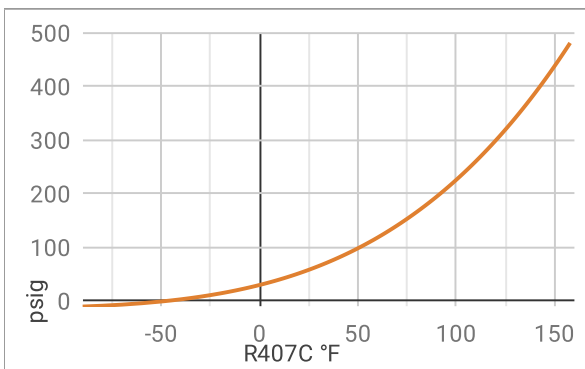
# Heat exchangers VZH Ostrava

<https://www.heat-exchangers.uk/>

## R407C pressure temperature chart

Fahrenheit °F

The pressure shown (**psig**) is relative to atmospheric pressure. To calculate absolute pressure (**psia**), add 1 bar (14.5 psi) to the gauge pressure.



R407C °F	for vapor (condensing)		for liquid (evaporating)	
	psig	bar(g)	psig	bar(g)
-90	-10.8	-0.74	-12.3	-0.85
-80	-9.2	-0.63	-11.2	-0.77
-70	-7.2	-0.49	-9.8	-0.67
-60	-4.6	-0.32	-7.9	-0.54
-50	-1.3	-0.09	-5.4	-0.37
-45	0.6	0.04	-3.9	-0.27
-40	2.7	0.19	-2.3	-0.16
-35	5.1	0.35	-0.4	-0.03
-30	7.7	0.53	1.6	0.11
-25	10.6	0.73	3.9	0.27
-20	13.7	0.95	6.5	0.45
-18	15.1	1.04	7.5	0.52
-16	16.5	1.14	8.7	0.60
-14	17.9	1.24	9.9	0.68
-12	19.4	1.34	11.1	0.76
-10	21.0	1.44	12.4	0.85
-8	22.6	1.55	13.7	0.94
-6	24.2	1.67	15.0	1.04
-4	25.9	1.79	16.5	1.13
-2	27.7	1.91	17.9	1.24
0	29.5	2.03	19.4	1.34
2	31.4	2.16	21.0	1.45
4	33.3	2.30	22.6	1.56
6	35.3	2.44	24.3	1.68

# Výměníky tepla Ostrava

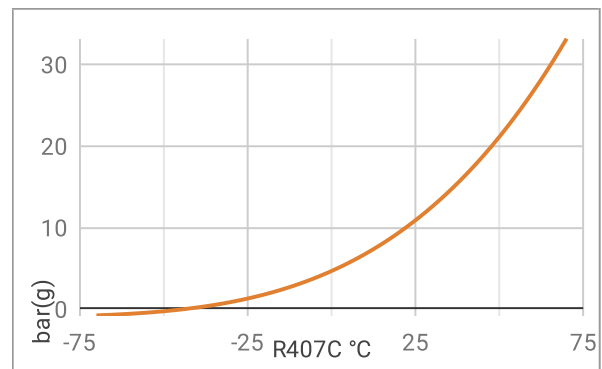
[www.vymeniky-tepla.cz](http://www.vymeniky-tepla.cz)

## R407C pressure temperature chart

Celsius °C

The pressure **bar(g)** shown is relative to atmospheric pressure. To calculate absolute pressure **bar(a)**, add 1 bar to the gauge pressure.

Zobrazený tlak je relativní **bar(g)** k atmosférickému tlaku. Pro výpočet absolutního tlaku **bar(a)** přidejte k naměřenému tlaku 1 bar.



R407C °C	for vapor (condensing)		for liquid (evaporating)	
	bar(g)	psig	bar(g)	psig
-70	-0.78	-11.3	-0.87	-12.6
-65	-0.69	-10.0	-0.81	-11.8
-60	-0.58	-8.5	-0.74	-10.7
-55	-0.45	-6.5	-0.64	-9.2
-50	-0.27	-4.0	-0.51	-7.4
-45	-0.06	-0.9	-0.35	-5.1
-40	0.19	2.7	-0.16	-2.3
-38	0.31	4.4	-0.07	-1.0
-36	0.43	6.2	0.03	0.5
-34	0.56	8.2	0.14	2.0
-32	0.70	10.2	0.25	3.6
-30	0.86	12.4	0.37	5.4
-28	1.02	14.8	0.51	7.3
-26	1.20	17.3	0.65	9.4
-24	1.38	20.0	0.80	11.6
-22	1.58	22.9	0.96	13.9
-20	1.79	25.9	1.13	16.5
-18	2.01	29.1	1.32	19.1
-16	2.24	32.5	1.52	22.0
-14	2.49	36.1	1.72	25.0
-12	2.75	40.0	1.95	28.2
-10	3.03	44.0	2.18	31.7
-8	3.33	48.2	2.43	35.3
-6	3.64	52.7	2.70	39.2

8	37.4	2.58	26.1	1.80
10	39.5	2.72	27.9	1.92
12	41.7	2.88	29.7	2.05
14	44.0	3.03	31.7	2.18
16	46.3	3.19	33.7	2.32
18	48.7	3.36	35.7	2.46
20	51.2	3.53	37.8	2.61
22	53.8	3.71	40.0	2.76
24	56.4	3.89	42.3	2.92
26	59.1	4.07	44.6	3.08
28	61.9	4.26	47.1	3.24
30	64.7	4.46	49.5	3.42
32	67.6	4.66	52.1	3.59
34	70.7	4.87	54.7	3.77
36	73.8	5.1	57.5	3.96
38	77.0	5.3	60.3	4.16
40	80.2	5.5	63.1	4.35
42	83.6	5.8	66.1	4.56
44	87.0	6.0	69.2	4.77
46	90.6	6.2	72.3	5.0
48	94.2	6.5	75.5	5.2
50	97.9	6.8	78.8	5.4
52	102	7.0	82.2	5.7
54	106	7.3	85.7	5.9
56	110	7.6	89.3	6.2
58	114	7.8	92.9	6.4
60	118	8.1	96.7	6.7
62	122	8.4	101	6.9
64	127	8.7	105	7.2
66	131	9.0	109	7.5
68	136	9.4	113	7.8
70	141	9.7	117	8.1
72	145	10.0	122	8.4
74	150	10.4	126	8.7
76	155	10.7	131	9.0
78	161	11.1	136	9.4
80	166	11.4	141	9.7
82	171	11.8	146	10.0
84	177	12.2	151	10.4
86	182	12.6	156	10.7
88	188	13.0	161	11.1
90	194	13.4	167	11.5
92	200	13.8	172	11.9
94	206	14.2	178	12.3
96	212	14.7	184	12.7
98	219	15.1	190	13.1
100	225	15.5	196	13.5
102	232	16.0	202	13.9
104	239	16.5	209	14.4

-4	3.96	57.4	2.98	43.2
-2	4.30	62.4	3.28	47.6
0	4.66	67.6	3.59	52.1
2	5.0	73.1	3.92	56.9
4	5.4	78.9	4.27	62.0
6	5.9	84.9	4.64	67.3
8	6.3	91.3	5.0	72.9
10	6.8	97.9	5.4	78.8
12	7.2	105	5.9	85.0
14	7.7	112	6.3	91.4
16	8.2	120	6.8	98.3
18	8.8	128	7.3	105
20	9.4	136	7.8	113
22	10.0	144	8.3	121
24	10.6	153	8.9	129
26	11.2	163	9.5	138
28	11.9	172	10.1	147
30	12.6	182	10.7	156
32	13.3	193	11.4	166
34	14.0	204	12.1	176
36	14.8	215	12.8	186
38	15.6	227	13.6	197
40	16.5	239	14.4	209
42	17.3	252	15.2	221
44	18.2	265	16.1	233
46	19.2	278	17.0	246
48	20.1	292	17.9	259
50	21.1	307	18.9	273
52	22.2	322	19.9	288
54	23.2	337	20.9	303
56	24.4	353	22.0	319
58	25.5	370	23.1	335
60	26.7	387	24.3	352
62	27.9	405	25.5	370
64	29.2	423	26.7	388
66	30.4	442	28.0	407
68	31.8	461	29.4	426
70	33.2	481	30.8	447

Refrigerant **R407C** is a mixture of several refrigerants with different condensing temperatures. Thus, two temperatures are indicated: **a) Boiling Temperature**, where the liquid refrigerant starts to boil and becomes vapor; **b) Condensing Temperature**, where the vapor refrigerant begins to condense.

Chladivo **R407C** je směsí více chladiv. Tato dílčí chladiva mají vlastní teploty, při kterých kondenzují. Proto se pro chladiva R407C, R410A uvádějí dvě teploty: **a)** kdy chladivo začíná vřít a **b)** kdy chladivo začíná kondenzovat.

106	246	17.0	215	14.8
108	253	17.4	222	15.3
110	260	17.9	229	15.8
112	268	18.4	236	16.3
114	275	19.0	243	16.8
116	283	19.5	250	17.3
118	291	20.0	258	17.8
120	299	20.6	266	18.3
122	307	21.1	273	18.9
124	315	21.7	281	19.4
126	323	22.3	290	20.0
128	332	22.9	298	20.5
130	341	23.5	307	21.1
132	350	24.1	315	21.7
134	359	24.7	324	22.4
136	368	25.4	333	23.0
138	377	26.0	343	23.6
140	387	26.7	352	24.3
142	397	27.3	362	24.9
144	407	28.0	372	25.6
146	417	28.7	382	26.3
148	427	29.4	392	27.0
150	437	30.2	402	27.7
152	448	30.9	413	28.5
154	459	31.6	424	29.2
156	470	32.4	435	30.0
158	481	33.2	447	30.8

Refrigerant **R407C** is a mixture of several refrigerants with different condensing temperatures. Thus, two temperatures are indicated: **a) Boiling Temperature**, where the liquid refrigerant starts to boil and becomes vapor; **b) Condensing Temperature**, where the vapor refrigerant begins to condense.