

# HVAC Terms you should be familiar with

**Condensing pressure:** The pressure at which the refrigerant is phase changing from a vapor to a liquid.

**Evaporating pressure:** The pressure at which the refrigerant is phase changing from a liquid to a vapor.

**Latent heat:** Heat energy that causes a change in phase of a substance without a change in temperature of the substance.

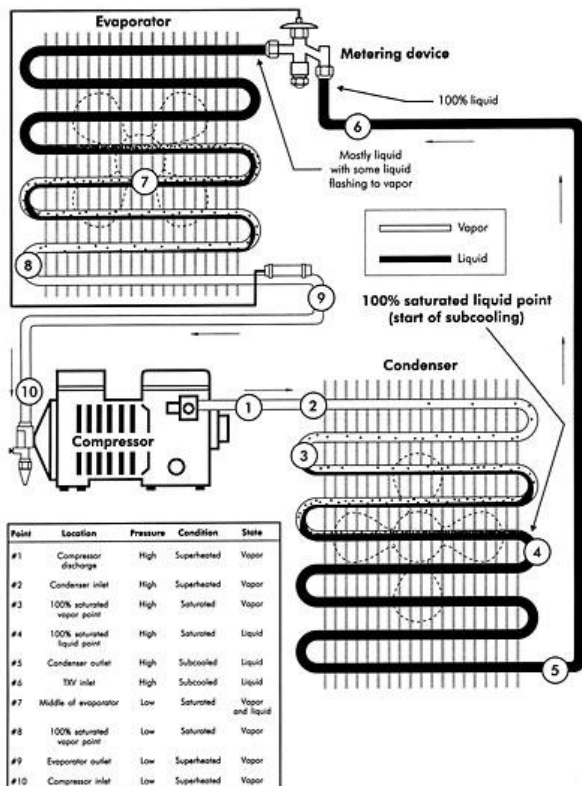
**Saturated temperature:** The temperature that a fluid will phase change from liquid to vapor or vapor to liquid.

**Sensible heat:** Heat energy that causes a change in the temperature of a substance.

**Subcooling:** A liquid at a temperature below its saturation temperature for a given pressure.

**Superheated vapor:** Any vapor above its saturation temperature for a given pressure.

**Vapor pressure:** Pressure exerted on a saturated liquid.



PSIG	TEMPERATURE °F						
	REFRIGERANT - (SPOKANE CODE)						
	YELLOW 12 (F)	GREEN 22 (V)	GREEN 124 (M)	BLUE 134a (G)	PURPLE 502 (R)	TEAL 422B (O)	WHITE 717 (A)
30	-20	-48	3	-22	-17	-62	-38
35	-21	-49	3	-22	-17	-62	-38
40	-22	-50	3	-22	-17	-62	-38
45	-23	-51	3	-22	-17	-62	-38
50	-24	-52	3	-22	-17	-62	-38
55	-25	-53	3	-22	-17	-62	-38
60	-26	-54	3	-22	-17	-62	-38
65	-27	-55	3	-22	-17	-62	-38
70	-28	-56	3	-22	-17	-62	-38
75	-29	-57	3	-22	-17	-62	-38
80	-30	-58	3	-22	-17	-62	-38
85	-31	-59	3	-22	-17	-62	-38
90	-32	-60	3	-22	-17	-62	-38
95	-33	-61	3	-22	-17	-62	-38
100	-34	-62	3	-22	-17	-62	-38
105	-35	-63	3	-22	-17	-62	-38
110	-36	-64	3	-22	-17	-62	-38
115	-37	-65	3	-22	-17	-62	-38
120	-38	-66	3	-22	-17	-62	-38
125	-39	-67	3	-22	-17	-62	-38
130	-40	-68	3	-22	-17	-62	-38
135	-41	-69	3	-22	-17	-62	-38
140	-42	-70	3	-22	-17	-62	-38
145	-43	-71	3	-22	-17	-62	-38
150	-44	-72	3	-22	-17	-62	-38
155	-45	-73	3	-22	-17	-62	-38
160	-46	-74	3	-22	-17	-62	-38
165	-47	-75	3	-22	-17	-62	-38
170	-48	-76	3	-22	-17	-62	-38
175	-49	-77	3	-22	-17	-62	-38
180	-50	-78	3	-22	-17	-62	-38
185	-51	-79	3	-22	-17	-62	-38
190	-52	-80	3	-22	-17	-62	-38
195	-53	-81	3	-22	-17	-62	-38
200	-54	-82	3	-22	-17	-62	-38
205	-55	-83	3	-22	-17	-62	-38
210	-56	-84	3	-22	-17	-62	-38
215	-57	-85	3	-22	-17	-62	-38
220	-58	-86	3	-22	-17	-62	-38
225	-59	-87	3	-22	-17	-62	-38
230	-60	-88	3	-22	-17	-62	-38
235	-61	-89	3	-22	-17	-62	-38
240	-62	-90	3	-22	-17	-62	-38
245	-63	-91	3	-22	-17	-62	-38
250	-64	-92	3	-22	-17	-62	-38
255	-65	-93	3	-22	-17	-62	-38
260	-66	-94	3	-22	-17	-62	-38
265	-67	-95	3	-22	-17	-62	-38
270	-68	-96	3	-22	-17	-62	-38
275	-69	-97	3	-22	-17	-62	-38
280	-70	-98	3	-22	-17	-62	-38
285	-71	-99	3	-22	-17	-62	-38
290	-72	-100	3	-22	-17	-62	-38
295	-73	-101	3	-22	-17	-62	-38
300	-74	-102	3	-22	-17	-62	-38
305	-75	-103	3	-22	-17	-62	-38
310	-76	-104	3	-22	-17	-62	-38
315	-77	-105	3	-22	-17	-62	-38
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325	-79	-107	3	-22	-17	-62	-38
330	-80	-108	3	-22	-17	-62	-38
335	-81	-109	3	-22	-17	-62	-38
340	-82	-110	3	-22	-17	-62	-38
345	-83	-111	3	-22	-17	-62	-38
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355	-85	-113	3	-22	-17	-62	-38
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370	-88	-116	3	-22	-17	-62	-38
375	-89	-117	3	-22	-17	-62	-38
380	-90	-118	3	-22	-17	-62	-38
385	-91	-119	3	-22	-17	-62	-38
390	-92	-120	3	-22	-17	-62	-38
395	-93	-121	3	-22	-17	-62	-38
400	-94	-122	3	-22	-17	-62	-38
405	-95	-123	3	-22	-17	-62	-38
410	-96	-124	3	-22	-17	-62	-38
415	-97	-125	3	-22	-17	-62	-38
420	-98	-126	3	-22	-17	-62	-38
425	-99	-127	3	-22	-17	-62	-38
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620	-138	-166	3	-22	-17	-62	-38
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735	-161	-189	3	-22	-17	-62	-38
740	-162	-190	3	-22	-17	-62	-38
745	-163	-191	3	-22	-17	-62	-38
750	-164	-192	3	-22	-17	-62	-38
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765	-167	-195	3	-22	-17	-62	-38
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895	-193	-221	3	-22	-17	-62	-38
900	-194	-222	3	-22	-17	-62	-38
905	-195	-223	3	-22	-17	-62	-38
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