R-290 PT Chart

Gauge & Wire

Saturation pressure in psig. * = inches of mercury vacuum.

°F	°C	psig	°F	°C	psig	°F	°C	psig	°F	°C	psig
-40	**-40.0**	**1.4**	8	-13.3	30.1	56	13.3	86.7	104	40.0	183.9
-39	-39.4	1.8	9	-12.8	30.9	57	13.9	88.2	105	40.6	186.5
-38	-38.9	2.2	**10**	**-12.2**	**31.8**	58	14.4	89.8	106	41.1	189.1
-37	-38.3	2.6	11	-11.7	32.7	59	15.0	91.4	107	41.7	191.7
-36	-37.8	3.0	12	-11.1	33.6	**60**	**15.6**	**93.0**	108	42.2	194.3
-35	-37.2	3.4	13	-10.6	34.5	61	16.1	94.7	109	42.8	197.0
-34	-36.7	3.9	14	-10.0	35.4	62	16.7	96.3	**110**	**43.3**	**199.6**
-33	-36.1	4.3	15	-9.4	36.3	63	17.2	98.0	111	43.9	202.4
-32	-35.6	4.8	16	-8.9	37.2	64	17.8	99.7	112	44.4	205.1
-31	-35.0	5.2	17	-8.3	38.2	65	18.3	101.4	113	45.0	207.8
-30	**-34.4**	**5.7**	18	-7.8	39.2	66	18.9	103.1	114	45.6	210.6
-29	-33.9	6.1	19	-7.2	40.1	67	19.4	104.9	115	46.1	213.4
-28	-33.3	6.6	**20**	**-6.7**	**41.1**	68	20.0	106.6	116	46.7	216.3
-27	-32.8	7.1	21	-6.1	42.1	69	20.6	108.4	117	47.2	219.1
-26	-32.2	7.6	22	-5.6	43.2	**70**	**21.1**	**110.2**	118	47.8	222.0
-25	-31.7	8.1	23	-5.0	44.2	71	21.7	112.0	119	48.3	224.9
-24	-31.1	8.6	24	-4.4	45.2	72	22.2	113.9	**120**	**48.9**	**227.8**
-23	-30.6	9.1	25	-3.9	46.3	73	22.8	115.7	121	49.4	230.8
-22	-30.0	9.6	26	-3.3	47.4	74	23.3	117.6	122	50.0	233.8
-21	-29.4	10.2	27	-2.8	48.5	75	23.9	119.5	123	50.6	236.8
-20	**-28.9**	**10.7**	28	-2.2	49.6	76	24.4	121.4	124	51.1	239.9
-19	-28.3	11.3	29	-1.7	50.7	77	25.0	123.4	125	51.7	242.9
-18	-27.8	11.8	**30**	**-1.1**	**51.8**	78	25.6	125.4	126	52.2	246.0
-17	-27.2	12.4	31	-0.6	53.0	79	26.1	127.3	127	52.8	249.1
-16	-26.7	13.0	32	0.0	54.1	**80**	**26.7**	**129.3**	128	53.3	252.3
-15	-26.1	13.6	33	0.6	55.3	81	27.2	131.4	129	53.9	255.5
-14	-25.6	14.2	34	1.1	56.5	82	27.8	133.4	**130**	**54.4**	**258.7**
-13	-25.0	14.8	35	1.7	57.7	83	28.3	135.5	131	55.0	261.9
-12	-24.4	15.4	36	2.2	58.9	84	28.9	137.6	132	55.6	265.2
-11	-23.9	16.1	37	2.8	60.1	85	29.4	139.7	133	56.1	268.5
-10	**-23.3**	**16.7**	38	3.3	61.4	86	30.0	141.8	134	56.7	271.8
-9	-22.8	17.4	39	3.9	62.7	87	30.6	143.9	135	57.2	275.1
-8	-22.2	18.0	**40**	**4.4**	**63.9**	88	31.1	146.1	136	57.8	278.5
-7	-21.7	18.7	41	5.0	65.2	89	31.7	148.3	137	58.3	281.9
-6	-21.1	19.4	42	5.6	66.5	**90**	**32.2**	**150.5**	138	58.9	285.4
-5	-20.6	20.1	43	6.1	67.9	91	32.8	152.8	139	59.4	288.8
-4	-20.0	20.8	44	6.7	69.2	92	33.3	155.0	**140**	**60.0**	**292.3**
-3	-19.4	21.5	45	7.2	70.6	93	33.9	157.3	141	60.6	295.8
-2	-18.9	22.2	46	7.8	72.0	94	34.4	159.6	142	61.1	299.4
-1	-18.3	22.9	47	8.3	73.4	95	35.0	161.9	143	61.7	303.0
0	**-17.8**	**23.7**	48	8.9	74.8	96	35.6	164.3	144	62.2	306.6
1	-17.2	24.5	49	9.4	76.2	97	36.1	166.7	145	62.8	310.2
2	-16.7	25.2	**50**	**10.0**	**77.6**	98	36.7	169.1	146	63.3	313.9
3	-16.1	26.0	51	10.6	79.1	99	37.2	171.5	147	63.9	317.6
4	-15.6	26.8	52	11.1	80.6	**100**	**37.8**	**173.9**	148	64.4	321.4
5	-15.0	27.6	53	11.7	82.1	101	38.3	176.4	149	65.0	325.1
6	-14.4	28.4	54	12.2	83.6	102	38.9	178.9	**150**	**65.6**	**328.9**
7	-13.9	29.2	55	12.8	85.1	103	39.4	181.4			

Source: calculated with CoolProp 8.1.0 (reference equation of state).
Checked against: Hudson Technologies (max difference 0.06 psi).
Gauge pressure relative to 14.696 psia (sea level). Reference only: follow the equipment manufacturer's charging instructions.