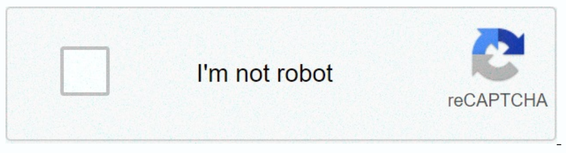

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Goodman 410a subcooling chart

What should subcooling be for 410a. What is a good superheat for 410a.

Tons	Line Size	Maximum Total Equivalent Length								Velocity
		75	100	125	150	175	200	225	250	FPM
1.5	5/16	75	90	85	85	80	75	75	70	223
	3/8	75	100	95	95	95	95	90	90	138
2.0	5/16	75	80	75	70	65	60	55	50	297
	3/8	75	95	90	90	85	85	85	80	184
2.5	3/8	75	90	85	85	80	80	75	70	230
	1/2	75	100	100	100	100	95	95	95	123
3.0	3/8	75	85	85	80	75	70	65	60	276
	1/2	75	100	100	95	95	95	90	90	148
3.5	3/8	75	80	75	70	65	60	55	50	322
	1/2	75	95	95	95	95	90	90	90	173
4.0	3/8	75	75	70	60	55	45	40	35	368
	1/2	75	95	95	95	90	90	90	85	198
5.0	3/8	70	60	50	40	30	20	10	0	*460
	1/2	75	95	90	90	85	85	80	80	247
7.5	1/2	75	80	80	75	70	65	60	55	370
	5/8	75	95	95	95	90	90	90	85	231
10	5/8	75	90	90	85	85	80	80	75	307
	3/4	75	100	95	95	95	95	90	90	210
12.5	5/8	75	85	85	80	75	70	65	65	384
	3/4	75	95	95	90	90	90	90	85	262
15	3/4	75	95	90	90	85	85	85	80	315
	7/8	75	100	95	95	95	95	95	90	222
20	3/4	75	85	85	80	75	70	70	65	419
	7/8	75	95	95	90	90	90	85	85	296
25	7/8	75	95	90	90	85	85	80	75	371
	1-1/8	75	100	100	100	95	95	95	95	217

*Note: Exceeds recommended maximum velocity of 400 fpm, consider noise when selecting this pipe size.

What is a good subcooling for 410a. Typical subcooling for 410a. What is a good superheat and subcooling on 410a.

R410A is one of the most commonly used refrigerants. It’s patented by Honeywell, and known under several other names such as “AZ-20”, “Genetron R410A”, “Puron”, and so on. It’s the preferred freon for residential air conditioners, replacing the older R22 according to the Montreal Protocol and subsequently phasing out of R22. To properly use it, you need an R410A PT chart (we also provide you with a printable PDF R410A PT chart at the end of the article). This is a pressure-temperature chart that specifies the saturation pressure for R410A at any given temperature. The R410A PT chart can be used to answer questions like: What are normal operating pressures for 410A? What is the pressure of r410a at 72 degrees Fahrenheit? how to calculate irr from npv What should gauge read for 410A? You can also use the R-410A PT chart to adequately calculate the superheat, total superheat, and subcooling temperatures. Below you will find two charts: 410A chart for degrees Fahrenheit (°F) and 410A chart for degrees Celsius (°C). drill master battery charger 62873 Here is the full 410A PT chart for a liquid state measured on a liquid line at the service valve (after the chart, you can also find useful R410A PT examples and graphs): 410A PT Chart For Degrees Of Fahrenheit (°F) Temperature (°F) Pressure (psig) -60 °F 0.9 psig -55 °F 1.8 psig -50 °F 4.3 psig -45 °F 7.0 psig -40 °F 10.1 psig -35 °F 13.5 psig -30 °F 17.2 psig -25 °F 21.4 psig -20 °F 25.9 psig -18 °F 27.8 psig -16 °F 29.7 psig -14 °F 31.8 psig -12 °F 33.9 psig -10 °F 36.1 psig -8 °F 38.4 psig -6 °F 40.7 psig -4 °F 43.1 psig -2 °F 45.6 psig 0 °F 48.2 psig 1 °F 49.5 psig 2 °F 50.9 psig 3 °F 52.2 psig 4 °F 53.6 psig 5 °F 55.0 psig 6 °F 56.4 psig 7 °F 57.9 psig 8 °F 59.3 psig 9 °F 60.8 psig 10 °F 62.3 psig 11 °F 63.9 psig 12 °F 65.4 psig 13 °F 67.0 psig 14 °F 68.6 psig 15 °F 70.2 psig 16 °F 71.9 psig 17 °F 73.5 psig 18 °F 40.9 psig 19 °F 77.0 psig 20 °F 78.7 psig 21 °F 80.5 psig 22 °F 82.3 psig 23 °F 84.1 psig 24 °F 85.9 psig 25 °F 87.8 psig 26 °F 89.7 psig 27 °F 91.6 psig 28 °F 93.5 psig 29 °F 95.5 psig 30 °F 97.5 psig 31 °F 99.5 psig 32 °F 101.6 psig 33 °F 103.6 psig 34 °F 105.7 psig 35 °F 107.9 psig 36 °F 110.0 psig 37 °F 112.2 psig 38 °F 114.4 psig 39 °F 116.7 psig 40 °F 118.9 psig 41 °F 121.2 psig 42 °F 123.6 psig 43 °F 125.9 psig 44 °F 128.3 psig 45 °F 130.7 psig 46 °F 133.2 psig 47 °F 135.6 psig 48 °F 138.2 psig 49 °F 140.7 psig 50 °F 143.3 psig 55 °F 156.6 psig 60 °F 170.7 psig 65 °F 185.7 psig 70 °F 201.5 psig 75 °F 218.2 psig 80 °F 235.9 psig 90 °F 274.3 psig 95 °F 295.0 psig 100 °F 316.9 psig 105 °F 339.9 psig 110 °F 364.1 psig 115 °F 389.6 psig 120 °F 416.4 psig 125 °F 444.5 psig 130 °F 474.0 psig 135 °F 505.0 psig 140 °F 537.6 psig 145 °F 571.7 psig 150 °F 607.6 psig 155 °F 645.2 psig You can see that this R410A pressure chart includes high and low side pressures at temperatures ranging from -60 °F to 155 °F. Higher temperature equates to higher pressure. Here are 4 examples of how you can use this chart: Example 1: What is the pressure of r410a at 72 degrees Fahrenheit? 52015255241.pdf We can see that at 72°F, the R410A pressure is 208,4 psig. Example 2: What are 410A pressures on an 85 degree day? The operating pressure of 410A on an 85 degree day is 254.6 psig.

MODEL	COOLING EFFICIENCY SEER	LIMITED PARTS WARRANTY* COVERAGE			COMPATIBLE	COMPRESSOR SOUND BLANKET	FACTORY INSTALLED FILTER DRYER	
DSZC18	Up to 18	•	•	•	•	•	•	•
DSZC16	Up to 16	•	•	•	•	•	•	•
SSZ16	Up to 16		•	•		•	•	•
SSZ14	Up to 15		•	•		•	•	•
GSZ13	13			•			•	

Example 3: What are 410A pressures on a 70 degree day? apa literature review outline template The operating pressure of 410A on a 70 degree day is 201.5 psig. Example 4: What are 410A pressures on a 65 degree day? The operating pressure of 410A on 65-degree day is 185.7 psig. R410A Pressure-Temperature Chart For Degrees Of Celsius (°C) Temperature (°C) Pressure (barA) Pressure (barg) Pressure (psig) -70 °C 0,36 barA -0,66 barg -9,52 psig -68 °C 0,40 barA -0,61 barg -8,85 psig -66 °C 0,45 barA -0,56 barg -8,10 psig -64 °C 0,51 barA -0,50 barg -7,27 psig -62 °C 0,57 barA -0,44 barg -6,37 psig -60 °C 0,64 barA -0,37 barg -5,37 psig -58 °C 0,72 barA -0,30 barg -4,29 psig -56 °C 0,80 barA -0,21 barg -3,10 psig -54 °C 0,89 barA -0,12 barg -1,81 psig -52 °C 0,98 barA -0,03 barg -0,41 psig -50 °C 1,09 barA 0,08 barg 1,11 psig -48 °C 1,20 barA 0,19 barg 2,76 psig -46 °C 1,33 barA 0,31 barg 4,54 psig -44 °C 1,46 barA 0,45 barg 6,46 psig -42 °C 1,60 barA 0,59 barg 8,53 psig -40 °C 1,76 barA 0,74 barg 10,76 psig -38 °C 1,92 barA 0,91 barg 13,15 psig -36 °C 2,10 barA 1,08 barg 15,71 psig -34 °C 2,29 barA 1,27 barg 18,45 psig -32 °C 2,49 barA 1,47 barg 21,38 psig -30 °C 2,70 barA 1,69 barg 24,51 psig -28 °C 2,93 barA 1,92 barg 27,84 psig -26 °C 3,18 barA 2,16 barg 31,38 psig -24 °C 3,44 barA 2,42 barg 35,16 psig -22 °C 3,71 barA 2,70 barg 39,16 psig -20 °C 4,01 barA 2,99 barg 43,41 psig -18 °C 4,32 barA 3,30 barg 47,91 psig -16 °C 4,65 barA 3,63 barg 52,67 psig -14 °C 4,99 barA 3,98 barg 57,70 psig -12 °C 5,36 barA 4,35 barg 63,02 psig -10 °C 5,75 barA 4,73 barg 68,63 psig -8 °C 6,15 barA 5,14 barg 74,54 psig -6 °C 6,58 barA 5,57 barg 80,76 psig -4 °C 7,03 barA 6,02 barg 87,31 psig -2 °C 7,51 barA 6,50 barg 94,19 psig 0 °C 8,01 barA 6,99 barg 101,42 psig 2 °C 8,53 barA 7,52 barg 109,00 psig 4 °C 9,08 barA 8,07 barg 116,95 psig 6 °C 9,65 barA 8,64 barg 125,28 psig 8 °C 10,25 barA 9,24 barg 133,99 psig 10 °C 10,88 barA 9,87 barg 143,13 psig 12 °C 11,54 barA 10,53 barg 152,66 psig 14 °C 12,23 barA 11,22 barg 162,63 psig 16 °C 12,95 barA 11,93 barg 173,03 psig 18 °C 13,70 barA 12,68 barg 183,89 psig 20 °C 14,48 barA 13,48 barg 195,21 psig 22 °C 15,29 barA 14,28 barg 207,02 psig 24 °C 16,14 barA 15,13 barg 219,31 psig 26 °C 17,02 barA 16,01 barg 232,10 psig 28 °C 17,94 barA 16,93 barg 245,41 psig 30 °C 18,89 barA 17,88 barg 259,26 psig 32 °C 19,89 barA 18,87 barg 273,66 psig 34 °C 20,92 barA 19,91 barg 288,62 psig 36 °C 21,99 barA 20,98 barg 304,15 psig 38 °C 23,10 barA 22,09 barg 320,49 psig 40 °C 24,26 barA 23,24 barg 337,02 psig 42 °C 25,45 barA 24,44 barg 354,29 psig 44 °C 26,70 barA 25,68 barg 372,42 psig 46 °C 27,99 barA 26,97 barg 391,09 psig 48 °C 29,32 barA 28,31 barg 410,47 psig 50 °C 30,71 barA 29,69 barg 430,55 psig 52 °C 32,14 barA 31,13 barg 451,34 psig 54 °C 33,63 barA 32,61 barg 472,90 psig 56 °C 35,17 barA 34,16 barg 495,25 psig 58 °C 36,76 barA 35,75 barg 518,39 psig 60 °C 38,42 barA 37,41 barg 542,37 psig 62 °C 40,13 barA 39,12 barg 567,24 psig 64 °C 41,91 barA 40,90 barg 593,02 psig 66 °C 43,75 barA 42,74 barg 619,74 psig 68 °C 45,67 barA 44,66 barg 647,5 psig 70 °C 47,65 barA 46,64 barg 676,28 psig As you can, the pressure at a specific temperature is usually given in 3 different units: barA.
Known as “absolute pressure”; pressure against a perfect vacuum. causative passive voice exercises pdf It’s calculated as Gauge Pressure + Atmospheric Pressure. The standard atmospheric pressure of 101,3 Pa or 14,7 psi is used. Hence, the barA unit is equal to Gauge Pressure + 14,7 psi. barg. Used to describe R410A gauge pressure; it’s commonly referred to as “2-bar gauge pressure” in HVAC literature. psig. Pounds Per Square Inch (psig) is most commonly used to express pressure levels at a specific temperature for R410A refrigerant. In universal units, 1 psi equals to about 6895 N/m2. Usually you can get these R410A PT charts with every R410A refrigerant.
For some people, using a graph instead of a chart is easier. Here is the Celsius-to-barA graph for R410A: R410A PT Graph (Celsius-to-barA) If you’re more comfortable using degrees Fahrenheit, you can also use a Fahrenheit-to-barA graph: Hopefully these two graphs will help some people to figure out the saturation points for the R410A refrigerant.
R410A PT Chart PDF (Printable PDF For On-Site Use) As promised, you can get the printable PDF version of the R410A PT chart here if you need it on-site. In the US, you will need this pressure chart in degrees Fahrenheit: Get Printable R410A PT Chart In Fahrenheit PDF Here In the rest of the world (Europe, Asia, and so on), you will need this pressure chart in degrees Celsius: Get Printable R410A PT Chart In Celsius PDF Here You can print these two charts and carry them along, consulting them when needed. You can check these PT charts for other refrigerants as well: