

Choice[✓] Refrigerants

- Air Conditioning Split Systems
- Cold Stores
- Supermarket Pak Systems
- Dairy Chillers
- Reach-In Storage
- Bakery Applications
- Refrigerated Transport
- Self-Contained Display Cabinets
- Walk-In Coolers

“The Easy Choice” ChoiceTM R-421A

Replaces R22 in Multiple Applications
Save Time & Save Money. Quick & Easy Conversion.

- Unique non-ozone depleting, long-term replacement for R22 refrigerant
- Environmentally **GREEN** refrigerant
- Replace R22 without unit modification
- Does not contain hydrocarbons, such as Butane, Isopentane or Isobutane
- Replaces R22 with no change of oil
- Usable in compressors designed for R22
- Usable with Mineral, AB or POE oils
- Only 2-component blend to replace R22
- Non-flammable; Rated A1 by ASHRAE
- Comparable to R22 performance temperature range
- Top-off capable following repair of system leak
- Usable in a wide variety of applications

REFRIGERANT FOR TOMORROW

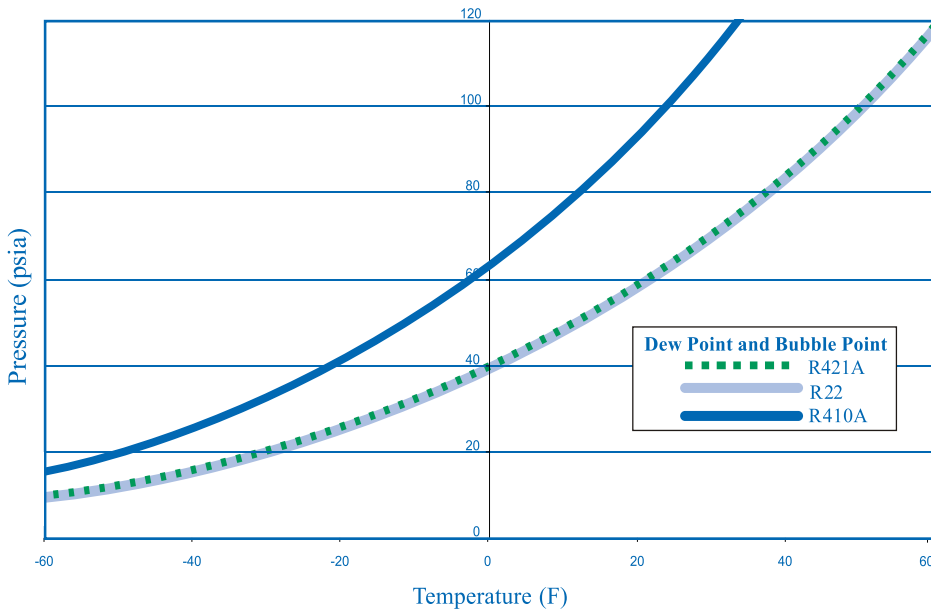
Choice[✓]
Refrigerants

“The Easy Choice”



Visit www.dynatempintl.com to learn more.

Pressure/Temperature Choice™ R-421A Refrigerant



PRESSURE/TEMPERATURE COMPARISON PSIG/ VACUUM IN INCH WATER

Temp (F)	R421A	R22	R410A
-60	-12.5	-12.4	0.4
-55	-9.8	-9.7	2.6
-50	-6.7	-6.6	5.1
-45	-3.2	-3.2	7.8
-40	0.5	0.6	10.9
-35	2.6	2.6	14.2
-30	4.9	4.9	17.9
-25	7.4	7.4	22.0
-20	10.2	10.2	26.4
-15	13.2	13.2	31.3
-10	16.5	16.5	36.5
-5	20.1	20.1	42.2
0	24.0	24.0	48.4
5	28.3	28.3	55.1
10	32.9	32.8	62.4
15	37.8	37.8	70.2
20	43.2	43.1	78.5
25	48.9	48.8	87.5
30	55.0	55.0	97.2
35	61.6	61.5	107.5
40	68.7	68.6	118.5
45	76.2	76.1	130.2
50	84.2	84.1	142.7
55	92.8	92.6	156.0
60	101.9	101.6	170.1
65	111.5	111.2	185.1
70	121.8	121.4	201.0
75	132.6	132.2	217.8
80	144.1	143.6	235.6
85	156.2	155.7	254.4
90	169.0	168.4	274.3
100	196.7	195.9	317.3
105	211.7	210.8	340.6
110	227.5	226.4	365.1
115	244.0	242.8	390.9
120	261.4	260.0	418.0
125	279.7	278.0	446.5
130	298.9	296.9	476.5
135	319.0	316.7	508.0
140	340.1	337.4	541.2
145	362.1	359.0	576.0
150	385.3	381.7	612.8

R421A is a HFC blend replacement with zero ODP and is compatible with both synthetic and mineral oils.

R421A is a two - component blend packaged with a proprietary lubricant, which we recommend, be transferred from the cylinder in the liquid phase.

In any operational leak scenario, the system may be topped off with without significant effect on performance.

R421A is an effective refrigerant for process cooling and air-conditioning. **R421A** has demonstrated its effectiveness at higher temperatures, giving the added benefit of lower discharge temperatures. In many instances lower compressor discharge temperatures have been reported which can be a bonus where systems are running close to the recommended maximum.

Charge the equipment with **R421A** as a liquid. Do not charge liquid refrigerant directly into the compressor. The total charge of **R421A** will depend on the type of system. For those with liquid receiver(s), it is the same as with R22, for those without liquid receiver(s) it is recommended to add sufficient charge to achieve the required evaporator temperature while maintaining acceptable superheat. For optimum performance it may be necessary to use a larger expansion valve orifice. Capillary systems do not need to be changed. NOTE: It is not unusual for the occasional bubble to be seen in the liquid line sight glass. A small number of bubbles in the sight glass is not a reliable indication of an under-charged system.

E.P.A. regulations stipulate that the equipment converted is clearly labeled as containing **R421A**.



Dynatemp International

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