

# R-421A

## "The Easy Choice" Choice™ R-421A

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

- 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

- 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
- Usable in a wide variety of applications

REFRIGERANT FOR TOMORROW

**Choice**  
Refrigerants

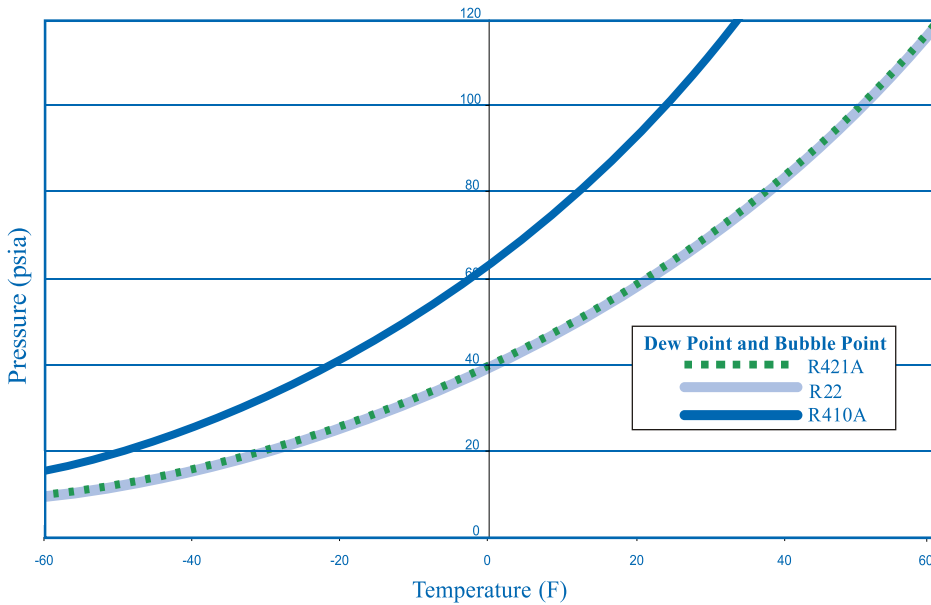
"The Easy Choice"

\*If there is a vertical height difference of 20 feet or more between the evaporator and condenser, the system must be converted to POE.



Call our HOTLINE: 1-855-GET-421A or visit [www.dynatempintl.com](http://www.dynatempintl.com) to learn more.

# Pressure/Temperature Choice™ R-421A Refrigerant



PRESSURE/TEMPERATURE COMPARISON  
PSIG / Inches of HG

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, **R421A** can be added to a CONVERTED system without significant effect on performance. **R421A** CANNOT be mixed with R22 in any situation.

**R421A** is an effective refrigerant for process cooling and air-conditioning.

**R421A** has demonstrated its effectiveness at higher temperatures with the benefit of lower discharge temperatures.

Charge the equipment with **R421A** as a liquid. CAUTION: Adding liquid at an excessive rate can slug the compressor and cause catastrophic failure. 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. If there is a vertical height difference of 20 feet or more between the evaporator and condenser, the system must be converted to POE.

E.P.A. regulations stipulate that the equipment converted is clearly labeled as containing **R421A**. Labels are shipped with product. Additional labels are available upon request or may be ordered from DiversiTech Corporation under the part number 04421.



**Dynatemp International**  
1-855-GET-421A • [www.dynatempintl.com](http://www.dynatempintl.com)

