

R-422B+™ The Gold Standard

Exclusively sold by Dynatemp International

R-22

It is illegal to import or produce R-22 in the United States. R-22 supplies will come from shrinking manufacturers stockpiles and reclamation. As supplies diminish, market prices will continue to increase.

R-422B+™

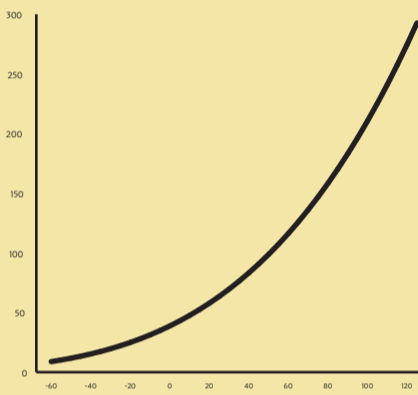
R-422B+™ is the superior R-22 replacement on the market today. An exclusive patent pending formula, superior compatibility, lower price point and a 100% American manufactured product makes this the Gold Standard for R-22 replacement.

R-421A

R-421A is a previous generation, R-22-alternative containing two HFC components and a mineral oil based lubricant. This is a higher cost option that is often manufactured and packaged overseas with Chinese components.

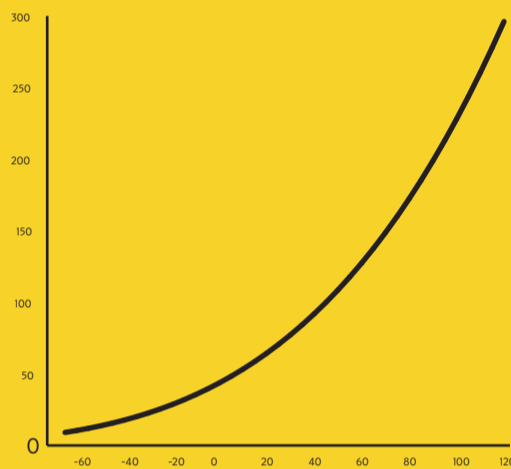
R-22

- Highest cost option
- Costs will continue to soar as supply diminishes
- Availability will become limited as supply declines
- R-22 is an Ozone Depleting Substance (ODS) known to be harmful to the environment
- Future availability will come from recycling and reclamation



Benefits of R-422B+™

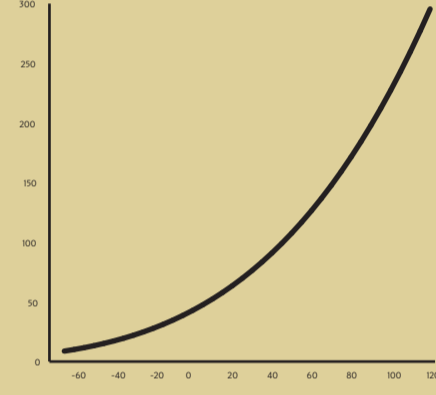
- Patent pending formula contains a blend of synthetic POE lubricant and a hydrocarbon for superior lubrication and compatibility with existing R-22 equipment
- High quality, lowest cost option
- Replaces R-22, R-421A, R-422B, R-422D, and R-407C without oil change and no modification of equipment in most applications
- Our Next-generation, lubrication technology ensures compatibility and miscibility with Mineral, AB or POE lubricants found in existing equipment.
- Non-flammable; rated A1 by ASHRAE
- The pressure / temperature characteristics of R-422B+ are nearly identical to R-22, R-421A and R-422B.
- Non-Ozone Depleting Substance (non-ODS)



! No! This isn't the same graph repeated three times. The P/T Curve of each of these products is almost identical, showing that R-422B+™ is a perfect replacement for your needs. Check out the data below to see the full similarities.

R-421A

- Higher cost option
- Dynatemp 421A™ is manufactured in the United States, other brands may be manufactured overseas.
- Two-component HFC blend with mineral oil additive and no hydrocarbon component.
- Some applications with 20+ foot lift require oil changeout to Polyol Ester (POE)
- Older legacy lubrication technology



Pressure/Temperature Comparison

Pounds per square inch

Temp (F)	R-22	R-422B+™	R-421A
-55	10.19	10.461	10.103
-50	11.703	12.001	11.614
-45	13.389	13.717	13.299
-40	15.262	15.62	15.171
-35	17.336	17.726	17.245
-30	19.624	20.048	19.535
-25	22.142	22.601	22.056
-20	24.905	25.401	24.823
-15	27.929	28.464	27.853
-10	31.23	31.805	31.161
-5	34.824	35.44	34.765
0	38.728	39.388	38.681
5	42.959	43.664	42.927
10	47.536	48.287	47.52
15	52.475	53.274	52.479
20	57.794	58.645	57.822
25	63.514	64.416	63.569
30	69.651	70.608	69.737
35	76.225	77.239	76.348
40	83.255	84.33	83.42
45	90.761	91.9	90.974
50	98.763	99.97	99.031
55	107.28	108.56	107.61
60	116.33	117.69	116.74
65	125.94	127.39	126.43
70	136.13	137.66	136.71
75	146.92	148.55	147.6
80	158.33	160.07	159.13
85	170.38	172.24	171.32
90	183.09	185.08	184.18
95	196.49	198.63	197.76
100	210.61	212.91	212.06
105	225.46	227.93	227.13
110	241.06	243.74	242.97
115	257.45	260.35	259.63
120	274.65	277.79	277.13
125	292.68	296.1	295.5

R-422B+™

R-422B+™ is a patent pending HFC blend replacement with zero ODP, containing the highest quality synthetic POE oil.

R-422B+™ is based on the R-422b formula, which has a proven 20 year history.

R-422B+™ is a high stability component blend compatible with synthetic and mineral oils.

In any operational leak scenario, additional R-422B+ may be added without a significant effect on performance.

R-422B+™ is an effective refrigerant for process cooling and air conditioning. It 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 R-422B+™ as a liquid. Do not charge liquid refrigerant directly into the compressor. The total charge of R-422B+™ will depend on the type of system. For those with liquid receivers 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 R-422B+™.

R-422B+™

The best all-around choice for replacing R-22 and R-22 replacements in HVAC applications.

Lower your supply chain spending and protect yourself from spiking R-22 costs in 2021.

Proudly manufactured in North Carolina, USA.



For more information visit dynatempintl.com/R422Bplus or call 717-713-2772

