

A-GAS®

R410A Properties and Applications

R410A is a zeotropic HFC blend of R125 and R32. In Australia R410A is a popular product for commercial and residential air conditioning systems as an alternative to R22. R410A exhibits higher pressures than R22 so is used in new equipment rather than as a retrofit gas.



Pack Sizes

5KG cylinder
10KG cylinder
18KG cylinder
60KG cylinder

Physical Properties

- ✓ ASHRAE A1 safety classification
- ✓ Non Flammable & safe to use
- ✓ Zero ODP
- ✓ GWP of 1725 (IPCC assessment report 2)
- ✓ Molecular weight is 72.6
- ✓ Boiling point at 1 ATM is -51.5°C
- ✓ Critical Temperature is 71.8°C

Applications

- ✓ Domestic and commercial air-conditioning

Usage Instructions

- ✓ Higher pressure - needs specific equipment
- ✓ Compatible with POE lubricants
- ✓ Charging must be done in liquid phase
- ✓ R410A cannot be discharged to atmosphere.
Always recover refrigerants into an A-Gas reclaim cylinder

PT Chart

Temp $^{\circ}\text{C}$	Bubble Pressure KPa
-38	90.647
-34	127.21
-30	168.97
-26	216.42
-22	270.04
-18	330.37
-14	397.92
-10	473.25
-6	556.93
-2	649.54
0	699.38
2	751.68
6	863.96
10	987.04
14	1121.6
18	1268.2
22	1427.7
26	1600.7
30	1788
34	1990.5



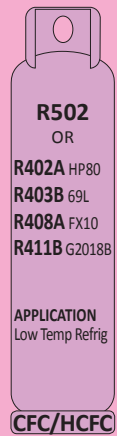
Convenient • Simple • Transparent

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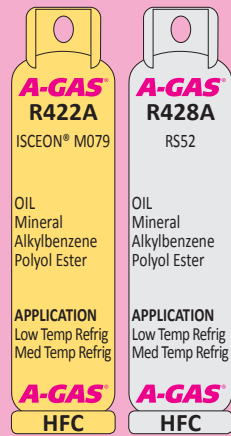
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A-GAS® GUIDE TO REFRIGERANT REPLACEMENTS

PREVIOUS REFRIGERANT

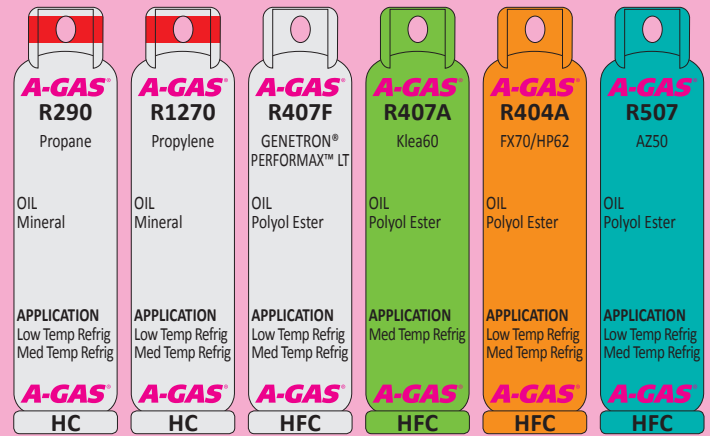


REFRIGERANT REPLACEMENT (ZERO ODP)

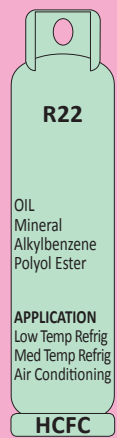


* Not suitable for systems with capillary tube, expansion valve only.

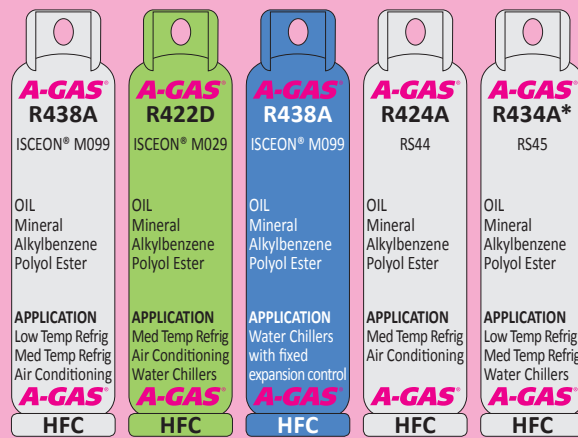
LONG-TERM REPLACEMENT



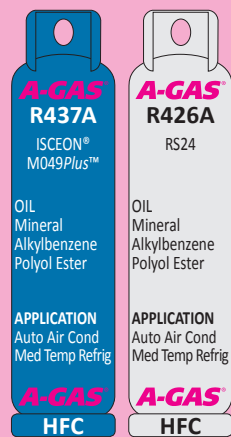
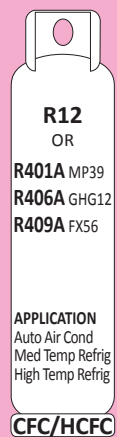
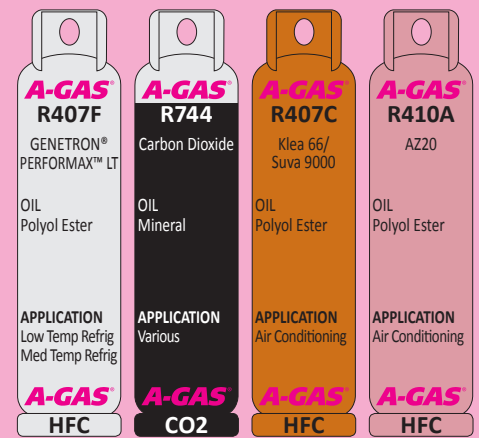
PREVIOUS



REFRIGERANT REPLACEMENT (ZERO ODP)



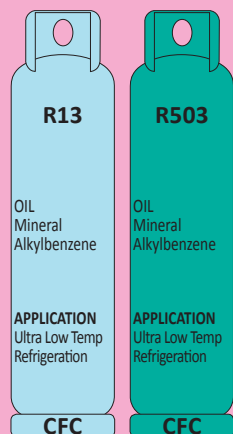
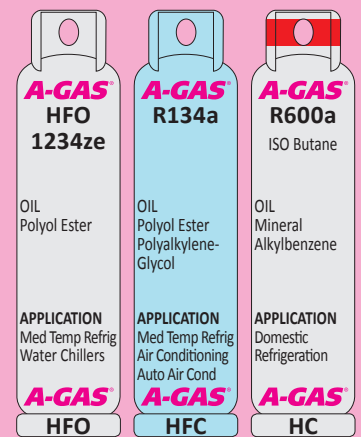
LONG-TERM REPLACEMENT



There is no single product that can replace R22 in all applications. If you need help on any particular application, please contact us.

Replacement refrigerants in most cases do not require a change of lubricant type, however manufacturers' guidance as well as good engineering practice should be followed.

All information supplied is for guide purposes only.



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