



### Pack Sizes

- 7KG cylinder
- 12KG cylinder
- 22KG cylinder
- 65KG cylinder

# A-GAS®

## R404A Properties and Applications

R404A is a zeotropic HFC refrigerant blend of R125, R143a and R134a. It is widely used in medium and low temperature refrigeration especially in the supermarket sector and for refrigerated transport. R404A was designed as a replacement for CFC R502 and closely matches its properties.

### Physical Properties

- ✓ ASHRAE A1 safety classification
- ✓ Non Flammable & safe to use
- ✓ Zero ODP
- ✓ GWP of 3260 (IPCC assessment report 2)
- ✓ Molecular weight is 97.6
- ✓ Boiling point at 1 ATM is -46.5/-45.8 °C
- ✓ Critical Temperature is 72.1°C

### Applications

- ✓ Transport refrigeration
- ✓ Supermarket display cases, cold rooms
- ✓ Ice machines - process cooling

### Usage Instructions

- ✓ Compatible with POE lubricants
- ✓ Charging must be done in liquid phase
- ✓ R404A cannot be discharged to atmosphere. Always recover refrigerants into an A-Gas reclaim cylinder

PT Chart

Temp °C	Bubble Pressure KPa
-38	46.581
-34	74.551
-30	106.45
-26	142.64
-22	183.49
-18	229.37
-14	280.67
-10	337.8
-6	401.17
-2	471.21
0	508.87
2	548.36
6	633.05
10	725.77
14	826.99
18	937.2
22	1056.9
26	1186.7
30	1327
34	1478.5
38	1641.8

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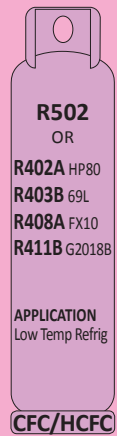
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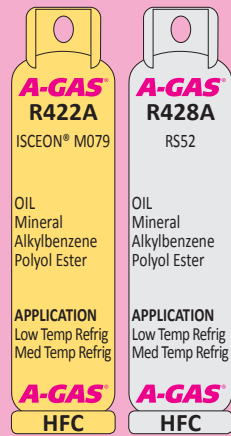
Convenient • Simple • Transparent

# A-GAS® GUIDE TO REFRIGERANT REPLACEMENTS

## PREVIOUS REFRIGERANT

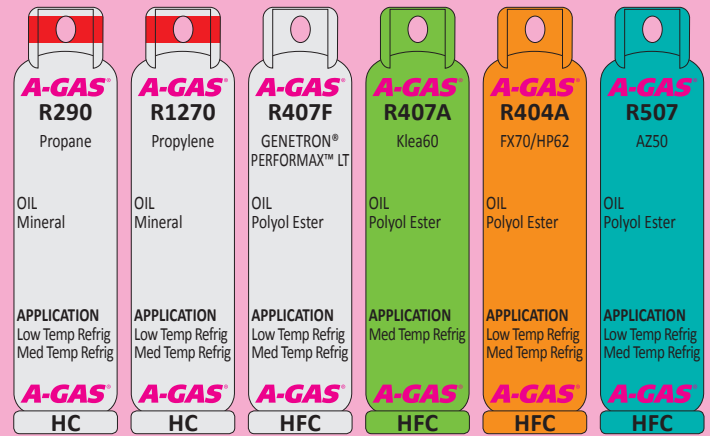


## REFRIGERANT REPLACEMENT (ZERO ODP)

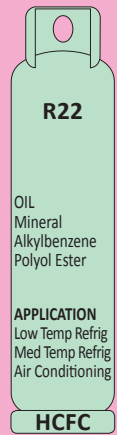


\* Not suitable for systems with capillary tube, expansion valve only.

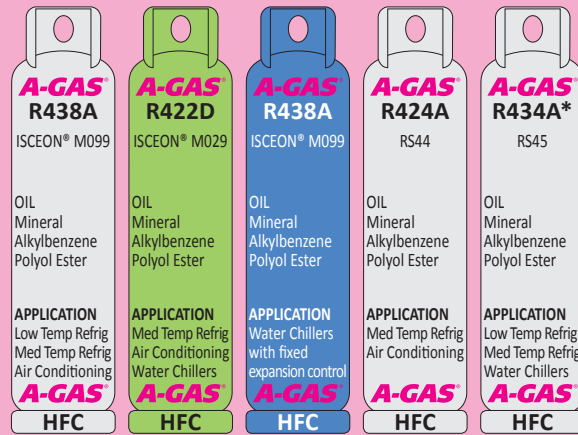
## LONG-TERM REPLACEMENT



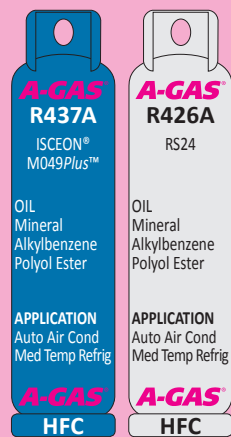
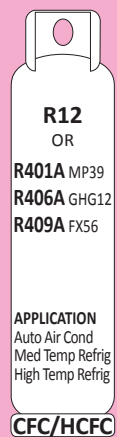
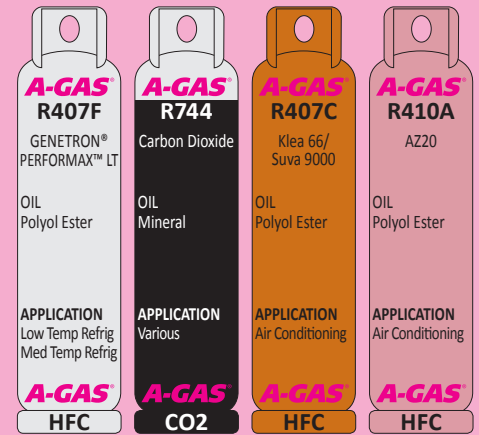
## PREVIOUS



## REFRIGERANT REPLACEMENT (ZERO ODP)



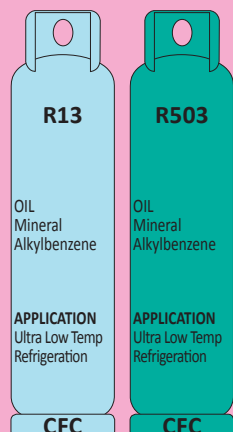
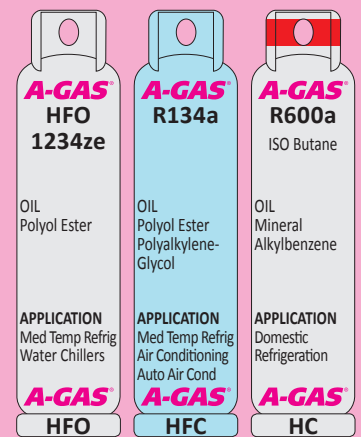
## LONG-TERM REPLACEMENT



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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