



### Pack Sizes

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

# A-GAS®

## R22 Properties and Applications

R22 is a single component HCFC refrigerant that has historically been used for air conditioning, medium temperature and low temperature refrigeration. R22 causes ozone depletion and as a result is subject to legislation that is phasing down its use in Australia. R22 will still be available until 2030 and can be obtained as a recycled product (AHRI 700 standard) from A-Gas.

### Physical Properties

- ✓ ASHRAE A1 safety classification
- ✓ Non Flammable & safe to use
- ✓ ODP 0.55
- ✓ GWP of 1700 (IPCC assessment report 2)
- ✓ Chemical name Chlorodifluoromethane
- ✓ Molecular weight is 86.5
- ✓ Boiling point at 1 ATM is -40.8 °C
- ✓ Critical Temperature is 96.2 °C

### Applications

- ✓ Medium and low temperature commercial and industrial refrigeration and freezer rooms
- ✓ Cold stores, cabinets, water chillers & process cooling

### Usage Instructions

- ✓ Compatible with mineral, alkylbenzene and POE lubricant
- ✓ R22 cannot be discharged to atmosphere. Always recover refrigerants into an A-Gas reclaim cylinder
- ✓ Charging can be carried out either in vapour or liquid phase

PT Chart

Temp °C	Pressure KPa
-38	92.762
-34	129.79
-30	172.12
-26	220.24
-22	274.68
-18	335.96
-14	404.65
-10	481.31
-6	566.53
-2	660.94
0	711.78
2	765.15
6	879.8
10	1005.6
14	1143.2
18	1293.3
22	1456.6
26	1634
30	1826.2
34	2034
38	2258.3

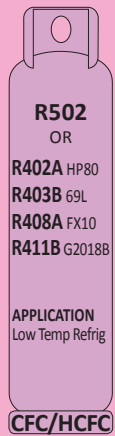
A-Gas (Australia) Pty Ltd  
 9-11 Oxford Road  
 Laverton North, VIC 3026  
 Australia  
 T 1800 002 427  
 F [+61] (0) 3 9368 9233  
 info.au@agas.com  
 www.agas.com  
 A-Gas AU11734



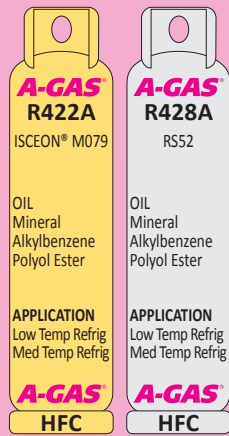
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# A-GAS® GUIDE TO REFRIGERANT REPLACEMENTS

## PREVIOUS REFRIGERANT

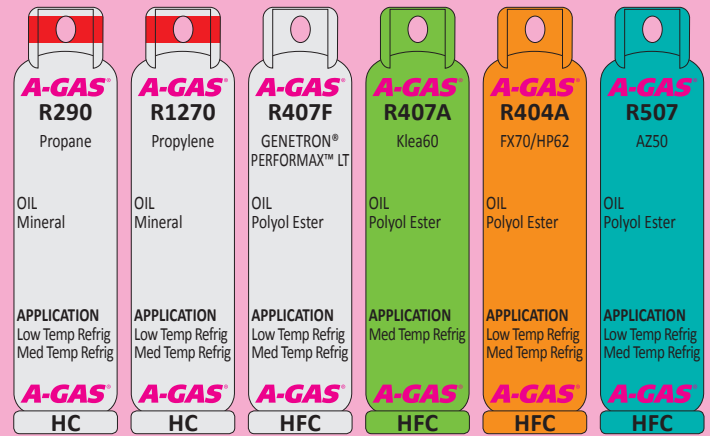


## REFRIGERANT REPLACEMENT (ZERO ODP)



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

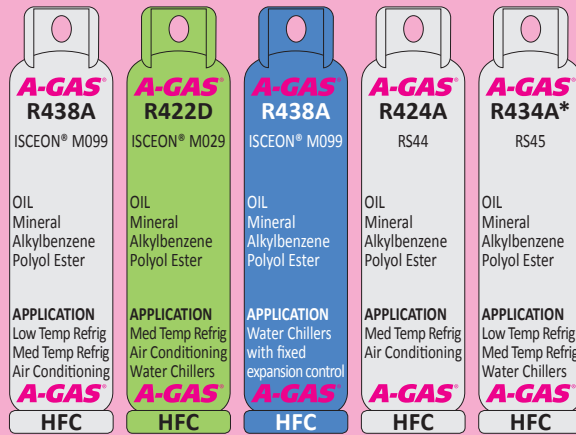
## LONG-TERM REPLACEMENT



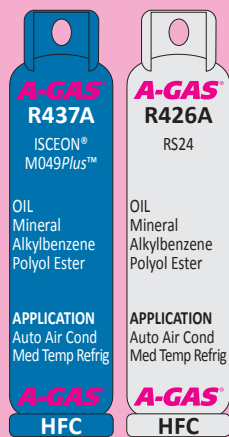
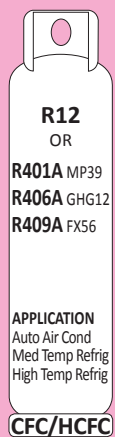
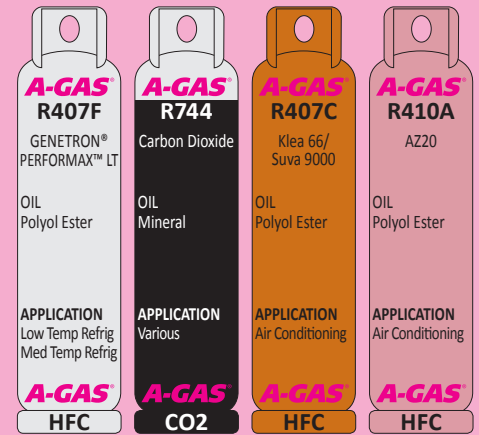
## PREVIOUS



## REFRIGERANT REPLACEMENT (ZERO ODP)



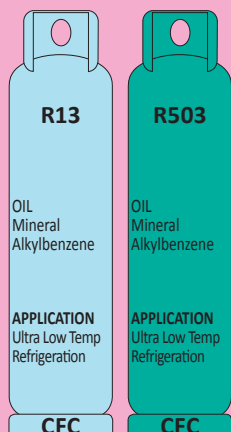
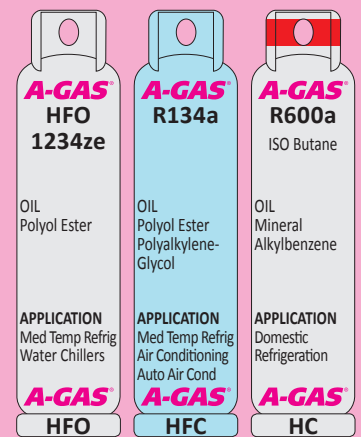
## LONG-TERM REPLACEMENT



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.



A-Gas (Australia) Pty Ltd  
9-11 Oxford Road  
Laverton North, VIC 3026  
Australia

T [+61] (0) 3 9368 9222  
F [+61] (0) 3 9368 9233  
info.au@agas.com  
www.agas.com



Speciality Chemicals  
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