## GUIDE TO REFRIGERANT REPLACEMENTS



LONG-TERM REPLACEMENT

R1270

Propylene

Mineral



**R407A** 

Polyol Ester



**R407F** 

PERFORMAX™ IT

Polyol Ester

**APPLICATION** 

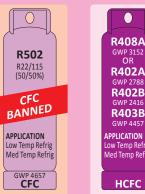
Low Temp Refrig

Med Temp Refrig

R600a



## PREVIOUS / PHASING OUT (ODP)





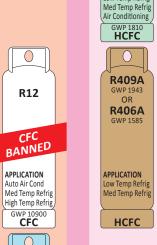
OIL

Mineral

Alkylbenzene

Polyol Ester

APPLICATION



**R13** 

OR

**R503** 

CFC BANNED

APPLICATION

Refrigeration

Ultra Low Temp

**CFC** 0

**R11** 

CFC

BANNED

ΔΡΡΙΙΚΑΤΙΩΝ

GWP 4750 CFC

Chillers



## **REFRIGERANT REPLACEMENT (ZERO ODP)**





Alkylbenzene Polyol Ester

APPLICATION

HFC

**R437A** 

ISCEON®

M049Plus™

OIL

Mineral\*\*

Alkylbenzene

Polyol Ester

APPLICATION

Med Temp Refrig

GWP 1805 HFC

ISCEON® M089

OIL

Mineral

Alkylbenzene Polvol Ester

APPLICATION

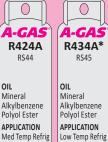
Refrigeration

Ultra Low Temp

GWP 3698 **HFC** 



Auto Air Cond



Med Temp Refrig

HFC

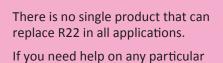
Water Chillers

Air Conditioning

GWP 2440 **HFC** 







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

application, please contact us.

\*\* 50/50 mix of Mineral/Alkylbenzene preferred.

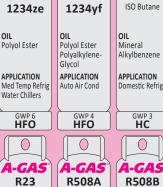
R290 Refrigerant Grade Propane Mineral APPLICATION Low Temp Refrig Med Temp Refrig HC GAS R407F GENETRON® PERFORMAX™ LT Polyol Ester APPLICATION Low Temp Refrig Med Temp Refrig

WP 1824



**HFO** 





**HFO** 



'Drop in' is a generic term; refrigerants should never be mixed or dropped in on top of an existing refrigerant.

HFC Drop in replacements 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.

Please note: Not all products are available in all outlets.





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