

TRADITIONAL

R502
R22/115
(50/50%)

OIL
Mineral
Alkylbenzene

APPLICATION
Low Temp Refrig
Med Temp Refrig

CFC

A-GAS™
R22

OIL
Mineral
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig
Air Conditioning

HFC

R12

OIL
Mineral
Alkylbenzene

APPLICATION
Auto Air Cond
Med Temp Refrig
High Temp Refrig

CFC

R13

OIL
Mineral
Alkylbenzene

APPLICATION
Ultra Low Temp
Refrigeration

CFC

R503
R23/13
(40/60%)

OIL
Mineral
Alkylbenzene

APPLICATION
Ultra Low Temp
Refrigeration

CFC

R11

OIL
Mineral
Alkylbenzene

APPLICATION
Centrifugal
Chillers

CFC



INTERIM / DROP IN REPLACEMENT

R402A
(HP80)
R125/290/22
(60/2/38%)

OIL
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HCFC

R402B
(HP81)
R125/290/22
(38/2/60%)

OIL
Alkylbenzene
Polyol Ester

APPLICATION
Ice Machine

HCFC

R403B
ISCEON® 69L
R290/22/218
(5/56/39%)

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HCFC

A-GAS™
R408A
(FX10)
R125/143a/22
(7/46/47%)

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HCFC

A-GAS™
R422A
ISCEON® M079

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HFC

A-GAS™
R417A
ISCEON® M059

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Med Temp Refrig
Air Conditioning

HFC

A-GAS™
R422D
ISCEON® M029

OIL
Mineral
Alkylbenzene
Polyol Ester

APPLICATION
Med Temp Refrig
Air Conditioning
Water Chillers

HFC

A-GAS™
R424A
RS44

OIL
Mineral
Alkylbenzene
Polyol Ester

APPLICATION
Med Temp Refrig
Air Conditioning

HFC

A-GAS™
R434A*
RS45

OIL
Mineral
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig
Water Chillers

HFC

A-GAS™
R409A
(FX56)
R22/124/142b
(60/25/15%)

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HCFC

A-GAS™
R406A
(GHG 12)
R22/142b/600a
(55/41/4%)

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HCFC

A-GAS™
ISCEON® M089

OIL
Mineral
Alkylbenzene
Polyol Ester

APPLICATION
Ultra Low Temp
Refrigeration

HFC

A-GAS™
R123

OIL
Mineral
Alkylbenzene

APPLICATION
Centrifugal
Chillers

HCFC

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

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

'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.

There is no single product that can replace R22 in all applications.

If you need help on any particular application, please contact us.

LONG-TERM REPLACEMENT

A-GAS™
R404A
(FX70/HP62)
R125/143a/134a
(44/52/4%)

OIL
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HFC

A-GAS™
R507
(AZ50)
R125/143a
(50/50%)

OIL
Polyol Ester

APPLICATION
Low Temp Refrig
Med Temp Refrig

HFC

A-GAS™
R407C
(Klea 66/
Suva 9000)
R32/125/134a
(23/25/52%)

OIL
Polyol Ester

APPLICATION
Air Conditioning

HFC

A-GAS™
R410A
(AZ20)
R32/125
(50/50%)

OIL
Polyol Ester

APPLICATION
Air Conditioning

HFC

A-GAS™
R437A
ISCEON®
M049Plus™

OIL
Mineral**
Alkylbenzene
Polyol Ester

APPLICATION
Auto Air Cond
Med Temp Refrig

HFC

A-GAS™
R134a

OIL
Polyol Ester
Polyalkylene-
Glycol

APPLICATION
Med Temp Refrig
Air Conditioning
Auto Air Cond

HFC

A-GAS™
R600a
ISO Butane

OIL
Mineral
Alkylbenzene
Glycol

APPLICATION
Domestic Refrig

HC

A-GAS™
R23

OIL
Polyol Ester

APPLICATION
Ultra Low Temp
Refrigeration

HFC

A-GAS™
R508A
R23/116
(39/61%)

OIL
Polyol Ester

APPLICATION
Ultra Low Temp
Refrigeration

HFC

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