

R404A Alternatives The Way Forward “A Simple Solution”

As of October 2017 Compressor manufacturers have approved a range of new lower GWP refrigerants depending on their application'

Danfoss

SECCP

EMERSON
Copeland
brand products

embraco

cubigel
compressors



Tecumseh



(Embraco formerly Aspera - Cubigel formerly Electrolux)

There is no such thing as a drop-in replacement for R404A refrigerant.



Here are the options the compressor manufacturers have tested & approved.

R448A		
GWP 1387		
Compressor	HBP	LBP
Scroll	✓	✓
Semi-Hermetic	✓	✓
Hermetic	✗	✗

R449A		
GWP 1397		
Compressor	HBP	LBP
Scroll	✓	✓
Semi-Hermetic	✓	✓
Hermetic	✓	✗

R452A		
GWP 2140		
Compressor	HBP	LBP
Scroll	✗	✗
Semi-Hermetic	✗	✗
Hermetic	✓	✓

Tick sign represents Warranty Approved - X Sign represents Warranty Not Approved. **Please refer to Compressor manufacturers guidelines & FSW technical department for complete clarification**

Warranty will only be approved when using the refrigerants above in these applications, being new installs or retrofits.

Keep it simple & follow the Manufacturer's Guidelines

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