

RS-52

RS-52 is non ozone depleting near azeotropic refrigerant blend which can replace R22, R502 and the interim ozone depleting blends (eg R402A, R403B, R408A etc) without the need to change the existing lubricant or make any changes to the system other than adjustment to the expansion device in some cases. RS-52 is targeted towards lower temperature applications

Features and Benefits

RS-52 is compatible with all lubricants including both the traditional oils such as mineral and alkylbenzene oils and also the new synthetic polyol ester lubricants. Converting to RS-52 is a straightforward process which avoids a costly and often technically unsatisfactory retrofit (eg draining the oil from the system replacing the seals etc).

RS-52 is a capacity match for R502 and has a temperature glide of less than 1°C. RS-52 can also replace R22 in systems which are rated for R502. RS-52 is suitable for use in flooded systems.

- Close performance match for R502
- Can replace R22 in low temperature applications
- Compatible with MO, AB & POE lubricants
- Lower discharge temperatures
- Near azeotropic blend
- Capacity match for R502
- Low temperature glide
- Zero Ozone Depletion
- Non flammable
- Low toxicity

The high capacity of RS-52 qualifies its use as a direct replacement for R502 and the interim ozone depleting blends without any loss of performance. Discharge pressures are similar to R507 and R404A. RS-52 provides lower discharge temperatures, particularly compared to R22 and increased capacity at lower temperatures.

Applications and Uses

RS-52 is suitable for use in applications where R22, R502 and the ozone depleting blends are commonly found including, but not restricted to, supermarket display cases, ice machines, cold storage, transportation of foodstuffs etc.