

**THE NEW IMPROVED**

**SALPOWER**

**SP34E<sup>PLUS</sup>™**

## The Proven Performer

- Drop-in Replacement for R12
- Superior Alternative HFC to R134a
- Non ozone depleting substance
- Compatible with all oils
- Higher efficiencies
- Accelerated temperature pull-down
- Ideal in high ambient temperatures

Use SP34E Plus in the following applications:

- Automotive
- Buses and Rail transport
- Domestic fridges & freezers
- Commercial Refrigeration & Air Conditioning
- Cool Rooms
- Ice Machines
- Milk Vats
- Mining Equipment
- Refrigerated Transport
- Thermo King units (R134a)

FOR FURTHER INFORMATION CALL

**SALPOWER**

**PRODUCTS PTY LTD**

**1800 685 675**

**SALPOWER**

## Solpower SP34E+

Solpower SP34E+ is a drop-in refrigerant for R134a and R12 for a variety of applications

## Product Description

Colourless gas	Non Corrosive
Non Irritating	Non Flammable

## Applications

Domestic refrigerators and freezers	Coolrooms
Bottle coolers/drink dispensers	Transport refrigeration
Temprite systems	Automotive air conditioning

## Replacing R134a & R12 in a system with SP34E+

Replace drier if one is present in existing system

## Component Changes Required

Drier	Replace
Thermostatic expansion valve	May require super heat adjustment or a change may be required depending on the system
System Charge	Charge with 90% of rated R134a & 80% of R12 charge

## Suitable Elastomeric Materials

Material	Recommendation
Neoprene	Suitable
Viton	Suitable
Nitrite Rubber	Many grades are Suitable
PTFE	Suitable
Nylon	Suitable

## Suitable Compressor Lubricants for use with SP34E+

- Mineral Oils (M)
- Poly Alpha Olefin (PAO)
- Poly Ester Oils (PEO)

## Physical Properties

	SP34E+	R134a	R12
Boiling Point:	-31.80	-26.07	-29.75
Vapour Pressure @25°C (kPa)	623.78	-	-
Vapour Density @ 25°C (kg/m <sup>3</sup> )	33.708	32.350	32.135
Critical Temperature °C	96.00	101.06	111.97
Evaporator Glide °C	1	-	-
Liquid Enthalpy @ 25°C (kJ/kg)	236.73	234.55	224.06
Vapour Enthalpy @ 25°C (kJ/kg)	415.58	412.33	363.37
Molar Mass (kg/kmol)	96.217	102.03	120.91
Flammability	NON	NON	NON
GWP	1196	1300	8100
ODP	0	0	1



# SP34E+