



Global refrigerant distribution network

Star International's refrigerant distribution network is tailored specifically to support the maritime sector, supplying ports at key locations worldwide.

Refrigerants available include conventional gases in virgin and reclaimed form, together with a range of RS Series refrigerants that have been developed as a 'drop-in' solution. These operate within F-Gas guidelines and replace banned gases with little to no hardware modifications required.

All refrigerants are available in cylinder sizes of 13 and 60 litres. Outside of the EU, Australia, Canada and India, we can also supply disposable 13 litre units that do not attract a rental cost. Reclaimed cylinders are also available in sizes of 13 and 60 litres.

If you require a refrigerant that is not listed, please contact our team to discuss your requirements.

Refrigerant services

Star International can support refrigerant engineering works, including installations, commissioning, servicing and repair. Star International can also complete refrigerant retrofitting, replacing banned gases with F-Gas complaint, RS Series gases.

RS Series refrigerants

Refrigerant	Technical specifications
RS-24 (R426A)	Global Warming Potential: 1509 Compatible lubricants: PAG Auto, POE Replacement for: R12, R134A
RS-45 Plus	Global Warming Potential: 2481 Compatible lubricants: MO, POE and AB Replacement for: RS-45 (R434A)
RS-50 (R442A)	Global Warming Potential: 1888 Compatible lubricants: POE Replacement for: R22, R502, R404A, R507, R442A, R407A, R407F
RS-53 (R470A)	Global Warming Potential: 909 Compatible lubricants: POE Replacement for: R410A
RS-70 (R453A)	Global Warming Potential: 1765 Compatible lubricants: MO, AB and POE Replacement for: R22, R417A, R422D, R424A, R434A, R417B, R438A, R407C, R427A, R421A, R422B, R462A

Conventional and reclaimed refrigerants

Refrigerant	Technical specifications
R134A	Global Warming Potential: 1430 Compatible lubricants: PAG-Auto, POE Replacement for: R12, R22
R404A Reclaimed*	Global Warming Potential: 3922 Compatible lubricants: POE Replacement for: R502, R22
R407C	Global Warming Potential: 1774 Compatible lubricants: POE Replacement for: R407C
R407F	Global Warming Potential: 1825 Compatible lubricants: POE Replacement for: R22, R404A
R410A	Global Warming Potential: 2088 Compatible lubricants: POE Replacement for: R33, R13B1
R417A	Global Warming Potential: 2346 Compatible lubricants: MO, AB, POE Replacement for: R22
R422A Reclaimed*	Global Warming Potential: 3143 Compatible lubricants: MO, AB, POE Replacement for: R22, R502, HCFC blends
R422D Reclaimed*	Global Warming Potential: 2729 Compatible lubricants: MO, AB, POE Replacement for: R22
R449A	Global Warming Potential: 1397 Compatible lubricants: POE Replacement for: R404A, R507A
R507 Reclaimed*	Global Warming Potential: 3985 Compatible lubricants: POE Replacement for: R502, R22

*Reclaimed refrigerants are supplied to F-Gas guidelines inside of the European Union (EU). Outside of the EU, these refrigerants are supplied in virgin form, in accordance with regional legislation.