

“RS” SERIES OF DROP-IN ZERO ODP REFRIGERANTS

Application	Existing System Type		
	R-12	R-22	R-502
Air Conditioning			
Automotive	RS-24	RS-44	
Chillers Recip/Screw/DX	RS-24	RS-44, RS-45	
Flooded systems		RS-45	
Commercial	RS-24	RS-44	
Dehumidifiers	RS-24	RS-44	
Heat Pump		RS-44	
Industrial process cooling	RS-24	RS-44, RS-45	
Split System		RS-44	
Spot Coolers		RS-44	
Roof Top		RS-44	
Window/Wall		RS-44	

Application	Existing System Type		
	R-12	R-22	R-502
Refrigeration			
Beverage Coolers	RS-24	RS-44	
Cold Storage	RS-24	RS-45	RS-52
Display Cases	RS-24	RS-45	RS-52
Domestic Refrigerators/Freezers	RS-24		
Frozen Drink Machines	RS-24	RS-44, RS-45	RS-52
Ice Cream Dipping Cabinets	RS-24		RS-52
Ice Machines	RS-24	RS-44, RS-45	RS-52
Ice Rinks	RS-24	RS-45	RS-52
Mobile Refrigeration	RS-24	RS-44	RS-52
Flooded systems		RS-45	RS-52
Process Cooling	RS-24	RS-44, RS-45	RS-52
Water Coolers	RS-24	RS-44	
Walk-In Coolers/Freezers	RS-24	RS-44	RS-52

All of the “RS” series of refrigerants are *non ozone depleting* and can be used both with traditional lubricants (eg mineral and alkyl benzene oils) and the new synthetic lubricants such as polyol esters. They provide a simple & low cost method of switching away from CFCs & HCFCs including the interim ozone depleting blends. Brief summary of these novel refrigerants:

RS-24 (R426A)

Particularly effective as a replacement for R12 in mobile air conditioning, but can also be used across the range of applications where R12 was commonly found.

RS-44 (R424A)

Suitable to replace R22 in air conditioning applications including heat pumps & water coolers, & can be used in systems with a capillary as well as an expansion device.

RS-45 (R434A)

Replacement for R22 in new equipment for OEMs & for service work across the range of applications & temperatures including air conditioning & low temperature refrigeration. RS-45 is a capacity match for R22 & particularly applicable in larger systems.

RS-52 (R428A)

RS-52 is similar to R507 in its performance, has similar pressures & is near azeotropic with a glide of 1°C. RS-52 has been designed as a replacement for R502 and the interim ozone depleting blends (eg R402A, R408A, R403B etc), but is also an excellent replacement for R22 at low temperatures where the system is designed to withstand R502 pressures & condenser capacity. In systems where oil return could be an area of potential concern, eg long & complex pipelines, it may be necessary to replace some of the oil charge with a POE lubricant.



REFRIGERANT SOLUTIONS LIMITED

8 MURIESTON ROAD, HALE, ALTRINCHAM, CHESHIRE WA15 9ST
Tel: (+44) (0)161 926 9876 Fax: (+44) (0)161 926 9875 Email: rs@refsols.com Web: www.refsols.com

“RS” SERIES OF DROP-IN ZERO ODP REFRIGERANTS

**Get rid of Ozone Depleting Substances with
the “RS” series of A1 Refrigerants**

Ensure compliance to ISO 14001

**Replace R12, R22, R502 & all interim
ozone depleting blends at low cost**

**No oil change required
Compatible with all lubricants**

**Avoid problems of tightening
restrictions in R22 supplies**



RS-24
(R426A)

RS-44
(R424A)

RS-45
(R434A)

RS-52
(R428A)

REPLACE:

R12
R401A
R405A
R406A
R409A
R414A
R414B
R420A

R22
Retrofit

R22
New equipment
Retrofit

R22
R502
R402A
R402B
R408A
R411B

from

REFRIGERANT SOLUTIONS LIMITED

The Refrigerant Specialists