Refrigerant Services Inc.
GENERAL REPLACEMENT GUIDE
All RS Series are non-flammable and have an ASHRAE A1 Safety Rating

R-12
R-401A(MP39)
R-409A(FX56)
R-414B(Hotshot)
A/C and Med. Temp Refrig.
Temp Range +10°C to -5°C
No oil change required.
Similar pressures, flow rate, capacity and COP. Wide temp range (H/M/L). No system modifications required.

R-22
R-426A (RS-24)
R-428A (RS-52)
R-424A (RS-44)
R-434A (RS-45)
R-453A (RS-70)
R-402A(HP80)
R-408A(FX10)
R-401A(MP39)
R-409A(FX56)
R-414B(Hotshot)
A/C and Med. Temp Refrig.
Temp Range +10°C to -5°C
No oil change required.
Similar capacities and COP. No system modifications required.

R-502
R-507A
R-404A
R-402A(HP80)
R-408A(FX10)
R-414B(Hotshot)
A/C and Med. Temp Refrig.
Temp Range +10°C to -5°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar pressures, flow rate, capacity and COP. No system modifications required.

R-502
R-507A
R-404A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar pressures, flow rate, capacity and COP. No system modifications required.

R-502
R-507A
R-404A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar capacities and COP. May require changes to expansion device.

R-404A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar capacities and COP. May require changes to expansion device.

R-507A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar capacities and COP. May require changes to expansion device.

R-404A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar capacities and COP. May require changes to expansion device.

R-507A
A/C, Med. & Low Temp Refrig.
Temp Range +10°C to -35°C
Low Glide, Suitable for Flooded Evap and Shell & Tube Chillers
No oil change required.
Similar capacities and COP. May require changes to expansion device.
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<th>Temperature</th>
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<th>RS-44</th>
<th>RS-45</th>
<th>RS-50</th>
<th>RS-52</th>
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Example rows for RS-24:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C

Example rows for RS-44:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C

Example rows for RS-45:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C

Example rows for RS-50:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C

Example rows for RS-52:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C

Example rows for RS-70:

- **Temperature**: -40°C
  - **Pressure**: 12.6 psig
  - **Dew Pt**: 374.7 °C
- **Temperature**: 0°C
  - **Pressure**: 140.0 psig
  - **Dew Pt**: 295.0 °C