

# R507

## Refrigeration



### R507

(R-125/R-143a)  
(50/50 wt%)

Available in the following  
sizes

25 lb. cyl  
100 lb. cyl

## R-22 Alternative

### Physical Properties

	R507
Classification	HFC
Molecular Weight	98.9
Boiling Point (1 atm, °F)	-52.8
Critical Pressure (psia)	539
Critical Temperature (°F)	159
Critical Density, (lb./ft ^ 3)	30.7
Liquid Density (70°F, lb./ft ^ 3)	66.7
Vapor Density (bp, lb./ft ^ 3)	0.349
Heat of Vaporization (bp, BTU/lb.)	84.4
Specific Heat Liquid (70 °F, BTU/lb.°F)	0.3593
Specific Heat Vapor (1 atm, 70 °F, BTU/lb.°F)	0.2064
Ozone Depletion Potential (CFC 11=1.0)	0
Global Warming Potential (CO <sub>2</sub> =1.0)	3985
ASHRAE Standard 34 Safety Rating	A1
Temperature Glide (°F)	0

### Primary Use

R-22 replacement Low/Med Temperature Refrigeration