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# A-GAS™

## Refrigerant **R507**



- Substitute for R502
- Industrial & commercial applications
- Refrigerated transport



## Product Description

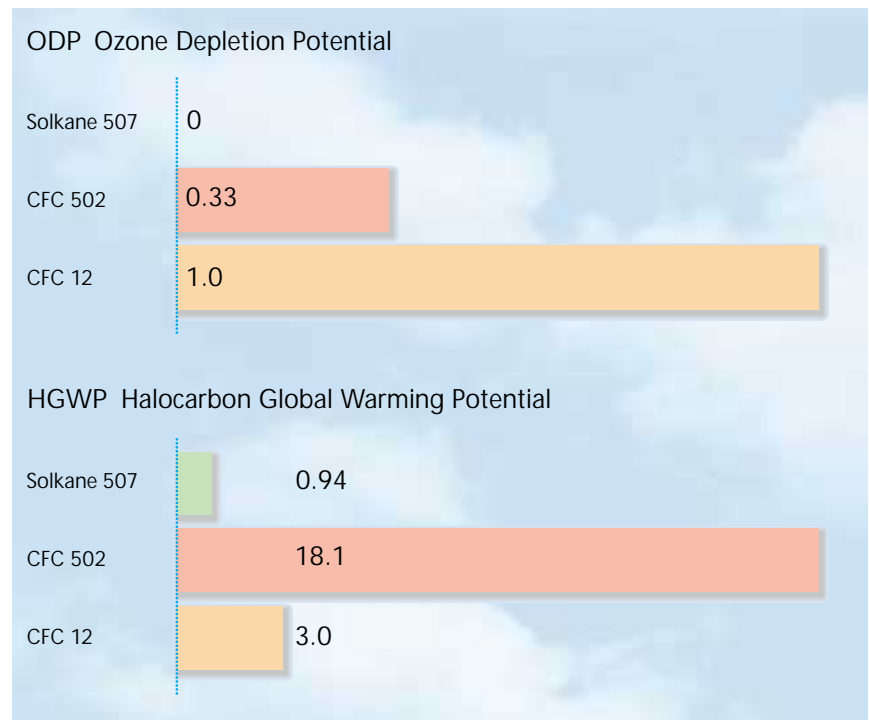
Substitute for R 502

- Azeotropic refrigerant containing R 125 and R 143 a (50/50 % by weight)
- Physical and thermodynamic properties comparable to R 502
- Same handling as R 502
- Non-flammable
- Compressors must be charged with polyolester oils

## Applications

- Cold-storage cells
- Supermarket display cases
- Ice machines
- As a replacement for R 502 in refrigerated transport
- In practice Solkane 507 has proven to be the optimal replacement for R 502
- Retrofit of existing R 502-installations with Solkane 507 is possible

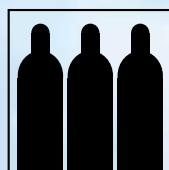
## Environmental Aspects



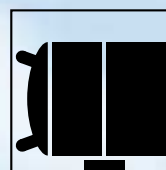
## Physical Properties

Chemical Name	Pentafluoroethane/ Trifluoroethane	
Chemical Formula	CHF <sub>2</sub> -CF <sub>3</sub> /CH <sub>3</sub> -CF <sub>3</sub>	
Molecular Weight	kg/kmol	98.9
Boiling Point at 1.013 bar	°C	-46.5
Critical Temperature	°C	70.8
Critical Pressure	bar	37.2
Critical Density	kg/m <sup>3</sup>	494
Critical Volume	m <sup>3</sup> /kg	2.02 x 10 <sup>-3</sup>
Density Liquid <sup>1)</sup>	kg/m <sup>3</sup>	1057
Density Saturated Vapour <sup>1)</sup>	kg/m <sup>3</sup>	68.25
Heat of Vaporization <sup>1)</sup>	kJ/kg	137.6
Specific Heat Capacity <sup>1)</sup> (Liquid)	kJ/kgK	1.479
Specific Heat Capacity <sup>2)</sup> (Vapour)	kJ/kgK	0.880
<sup>1)</sup> at 25 °C		
<sup>2)</sup> at 25 °C and 1.013 bar		

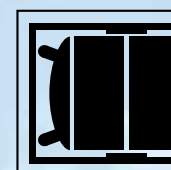
## Packaging



Loansteel-cylinders  
(10 and 49 kg)



Returnable tanks  
(720 kg)



ISO Tank  
containers  
(11.7 t)

Other sizes of packaging are available from our wholesalers.

## Technical Service

For further information please contact our technical specialists:

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### Comments:

The recommendations for the use of Solkane-refrigerants are given to the best of our knowledge and information and are not binding.

All users are themselves responsible for the observance of the relevant legal regulations and existing copyright.

Under no circumstances do we accept liability for damages which arise from the use of Solkane-refrigerants and such products, which are manufactured with Solkane-refrigerants.



