Block R134A

The R134A block calculates the thermodynamic properties of refrigerant R134a.



Name	R134A
Function	st0043
Inputs	2
Outputs	7
Parameters	0
Strings	0
Group	S

Inputs

1 Temperature / °C
2 Density / $\mathrm{kg\,m^{-3}}$

Parameters

None

Outputs

1 Pressure p / MPa
2 Specific enthalpy h / $\mathrm{kJ\,kg^{-1}}$
3 Specific entropy s / $\mathrm{kJ\,kg^{-1}\,K^{-1}}$
4 Specific isobaric heat capacity / $\mathrm{kJ\,kg^{-1}\,K^{-1}}$
5 Vapor pressure p_s / MPa
6 Densitiy ρ'/ $\mathrm{kg\,m^{-3}}$
7 Specific enthalpy h' / $\mathrm{kJ\,kg^{-1}}$

Strings

None