## 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 $\rho'$/ $\mathrm{kg\,m^{-3}}$
7 Specific enthalpy $h'$ / $\mathrm{kJ\,kg^{-1}}$

### Strings

None