Mollier Diagram

The Mollier diagram is a very useful instrument to solve HVAC-problems graphically. It includes all humidity functions in one chart.

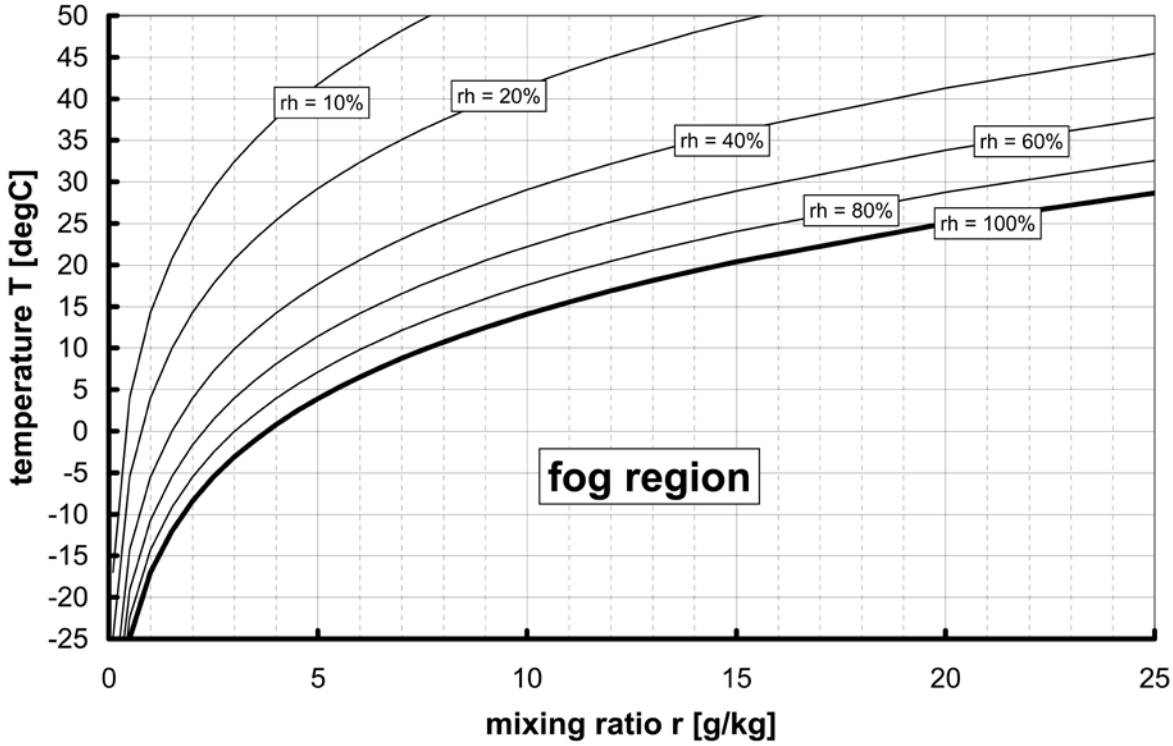


Fig. 4a : Mollier diagram: curves of constant relative humidity . The region below 100% (fog region) is not valid because condensation occurs.

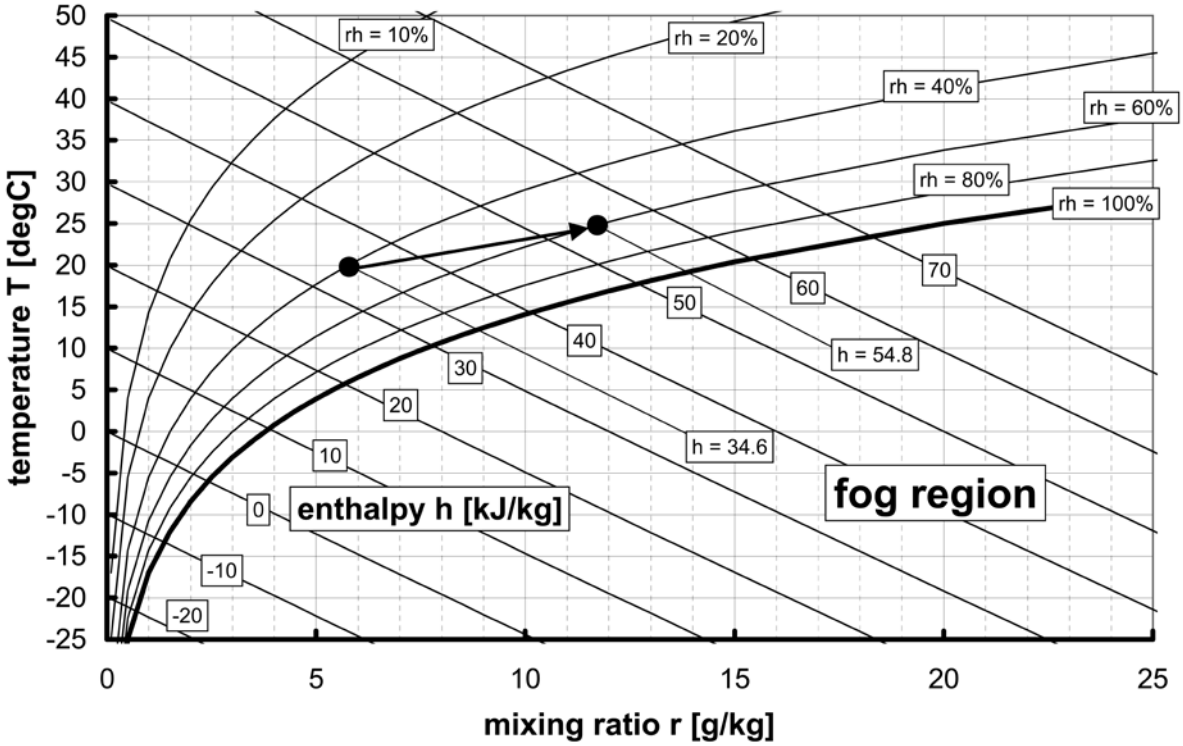
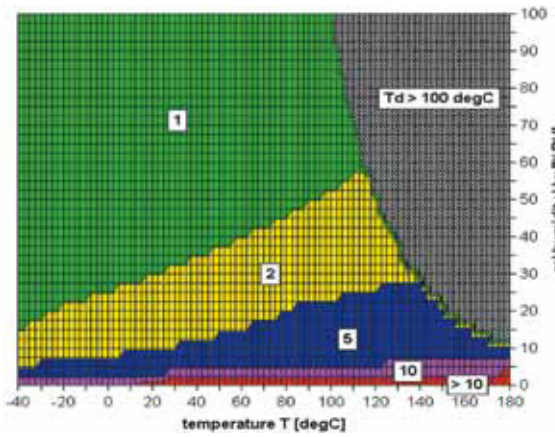


Fig. 4b : Curves of constant enthalpy are added to Fig.4a . Also example 1 is included.

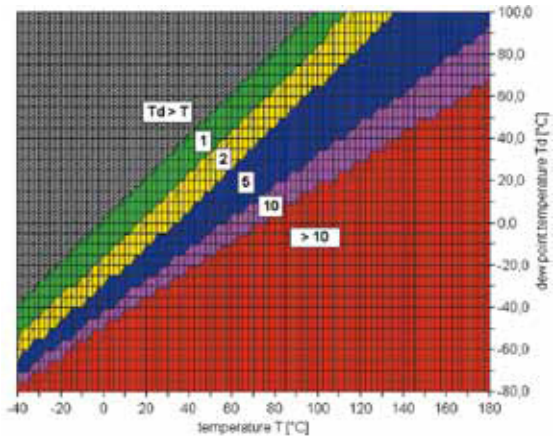
Accuracies of Calculated Variables

Dew (frost) point temperature



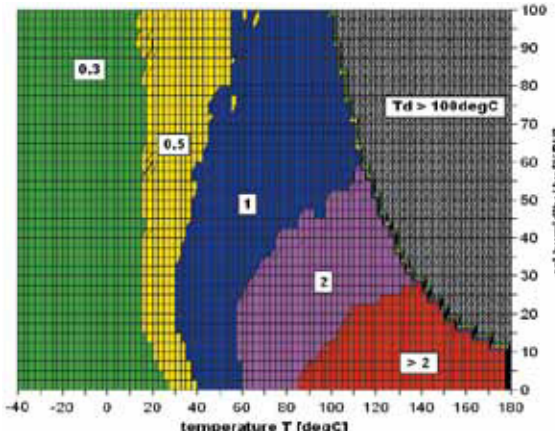
Accuracies in°C

Dew (frost) point temperature



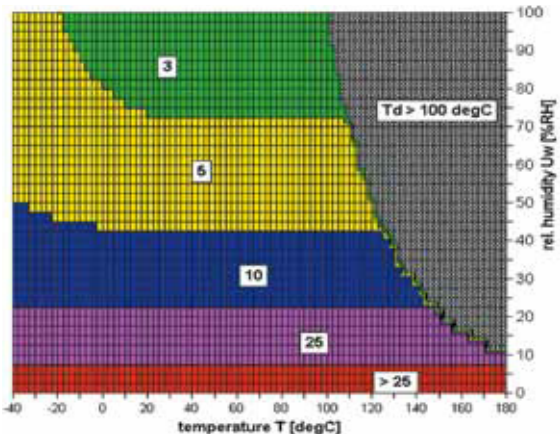
Accuracies in°C

Wet bulb temperature



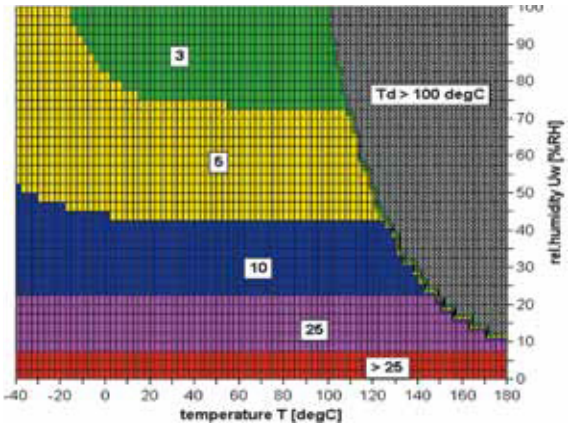
Accuracies in°C

Absolute humidity



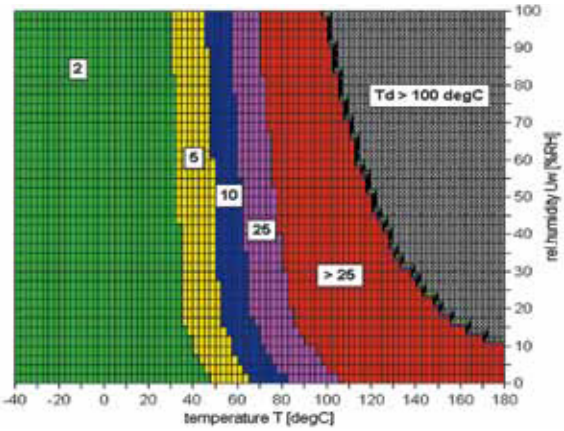
Accuracies in % of physical quantity [g/m³]

Water vapour pressure



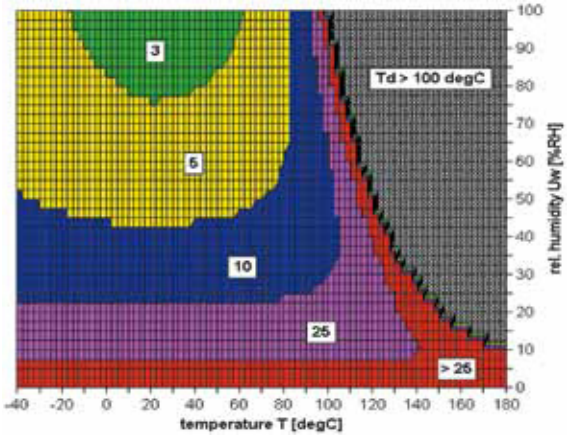
Accuracies in % of physical quantity [mbar]

Specific enthalpy



Accuracies in kJ/kg

Mixing ratio



Accuracies in % of physical quantity [g/kg]

Accuracies of the calculated variables are subject to the accuracy of the humidity and temperature measurement.

The above accuracy values are valid for **±2% RH and ±0.2°C (0.36°F).**

High accuracy values can be reached by a special humidity/temperature calibration.