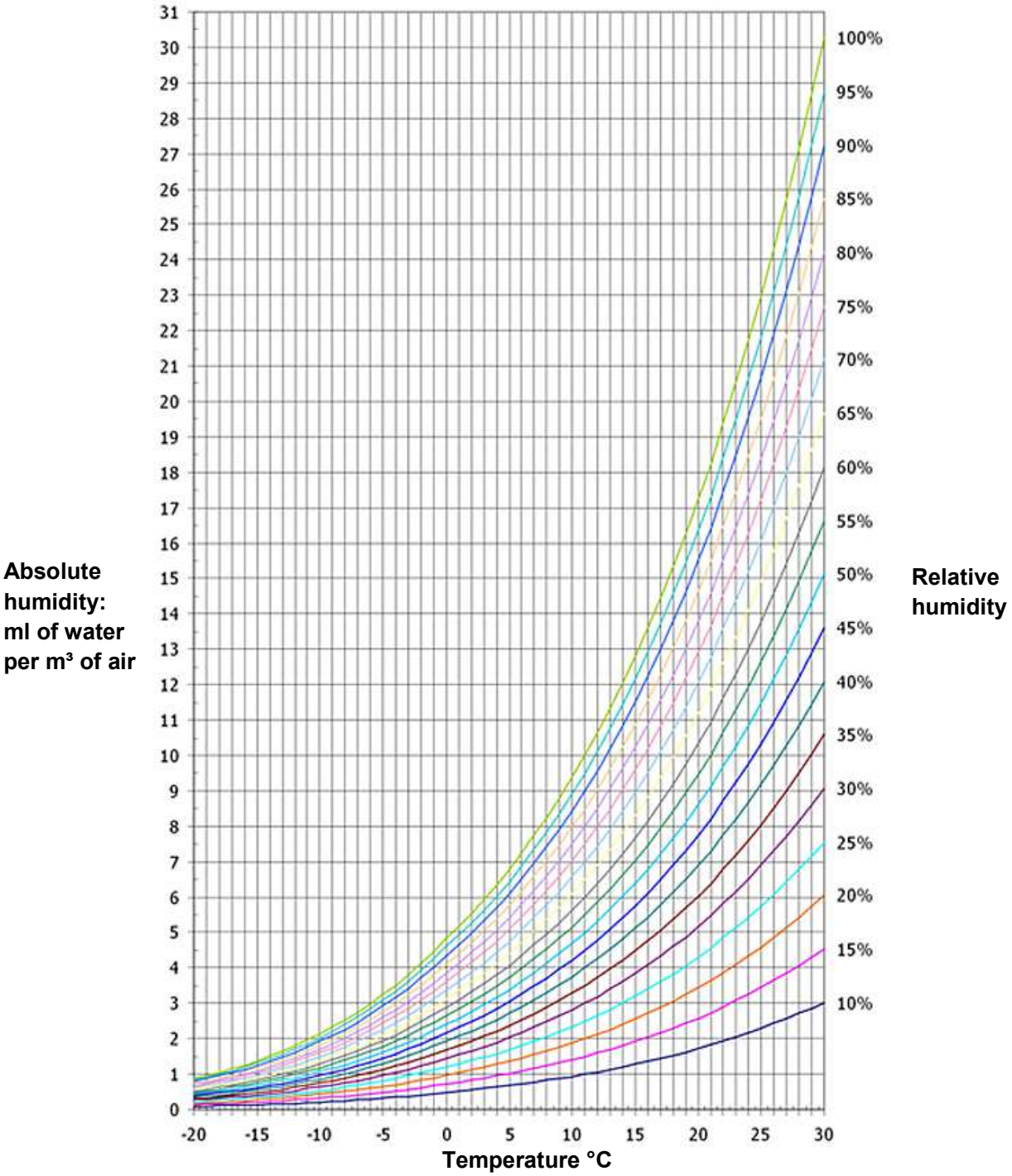

Example illustrating the need for humidification of air at an animal facility on a winter day

When having a target of 22°C and a relative humidity of 55% inside the animal room, the actual water content in the air must be 10.5 ml of water per m³. Simultaneously, at -5°C and a relative humidity of 90% outside the facility, the water content in the air is just 3 ml of water per m³.

It means that on a typical winter day, 7.5 ml of water will have to be turned into steam per m³ of air being taken from the outside and used inside an animal room. Considering the volume/size of an animal facility and the number of required air changes per hour, the amount of water and energy needed for humidification of air throughout a year is immense.

ScanClime air handling units can reduce water and energy consumption with up to 80%. Contact your local Scanbur product specialist for more information.

28. September 2018