

# Useful Information

## (Expansion of Air with Temperature)



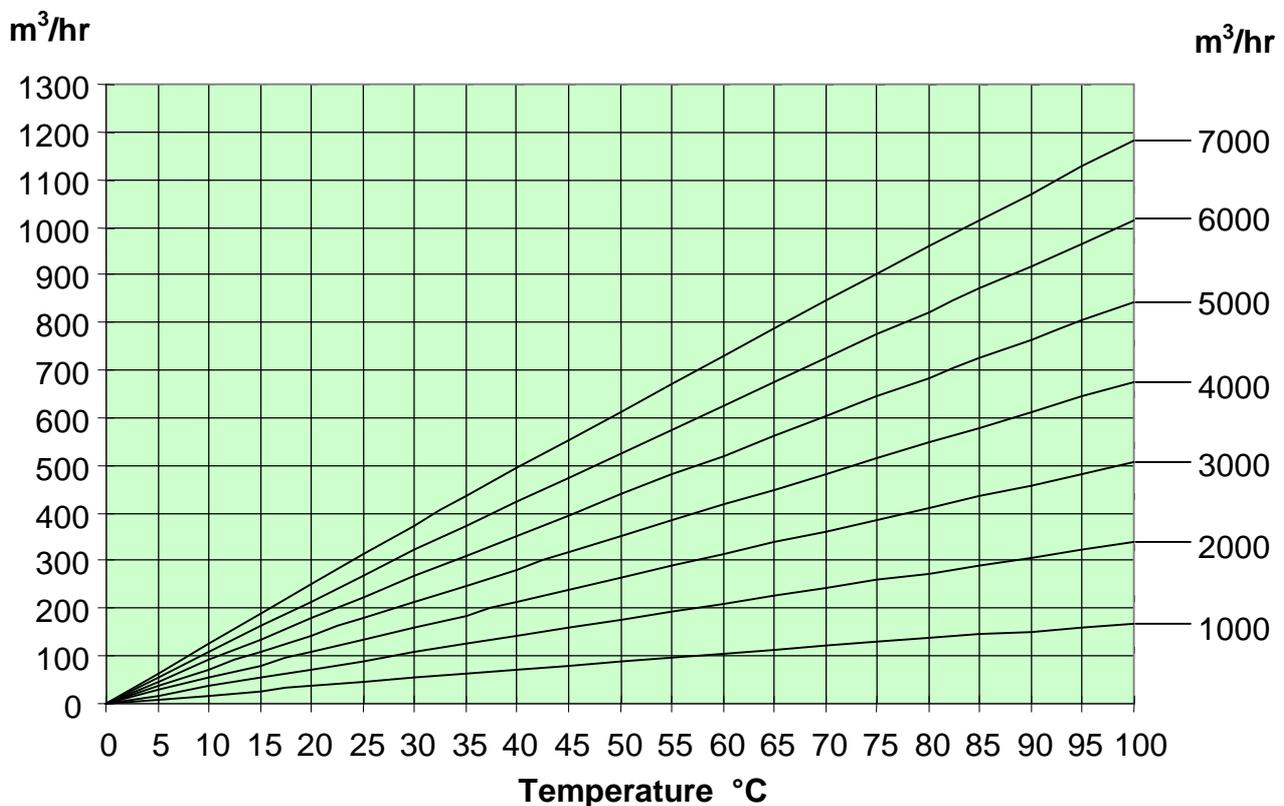
When air is heated it expands at a predictable rate.

When a coating system gives an indication of air volume, sometimes the measuring device is located at the air inlet and never sees this expansion, therefore giving an incorrect volume of process air.

CSI always compensate for this error, but on some other systems the following chart may be of use:

Identify from the right hand scale the volume of air in your system. Then select the temperature rise on the bottom scale. Where they meet, look at the left hand scale to see how much more volume you may have due to expansion.

**Expansion of Air Due to Temperature**



*Note Information supplied in the leaflet is intended as a guide only.*