

“If air makes you ill ...”

... wrote the German newspaper “Kleine Zeitung” recently: the consequences can be fatal. Recent evidence shows that air conditioning units can cause not only fatigue but also serious diseases such as Legionella and could even contribute to depression.

Because the indoor air quality has such an impact on the wellbeing and health of people, there is legislation to ensure the Ventilation and Air Conditioning Systems (HVAC) are well maintained. The aims of the guidelines are to provide a foundation for protecting public health from adverse effects of air pollutants, to eliminate or reduce exposure to hazardous air pollutants, and to guide national and local authorities in their risk management decisions.



Reasons to maintain the guidelines

There are many reasons to maintain your HVAC system to the recommended guidelines (VDI 6022) – here are a few:

- Legal certainty: The supervisory authorities may require inspections and evidence to the European Health and Safety standards showing you have implemented VDI 6022.
- It is the duty of every employer to look after the Health and Safety of their employees.
- Basic Economics: The costs arising from health problems caused by poor HVAC systems are well in excess of the cost of implementing the VDI 6022 guidelines.
- Health promotion: The number of sick days in the USA caused by Sick Building Syndrome is estimated at 150 million per year. Currently in Europe we have no reliable data on the costs within the EU.

Less ‘Flu days’ sickness: research shows that people in air-conditioned buildings with insufficient air circulation are about 1.5 times more likely to catch a respiratory disease such as coughs and colds, compared to those in well air-conditioned buildings. The result is 1 to 2 additional days of absence per employee per year. This corresponds to an estimated salary costs of about 300 Euro per employee per year.

A healthy workplace means good employee care and therefore, employee loyalty. Your employees are the most important key to your economic success.

Your Responsibility

You must follow the VDI 6022 Guidelines which include regular technical inspections, maintenance inspections and short term hygiene inspections carried out by operational staff. This is operator self monitored and therefore your staff should be trained in these procedures.

Our Services

Beginning with the VDI 6022 Guidelines we can offer our Customers the following services:

- Commission of the HVAC system and the surrounding spaces
- Sampling of swab samples from relevant and appropriate points
- Air sampling and analysis for germs
- Determination of dust surface densities
- Microbiological testing for water samples
- Analysis of the samples in our DIN EN ISO/IEC accredited laboratories
- Create an inspection report that can include recommendations for improvements and if required:
- Test the HVAC against the regulations DIN 19464
- Complete an indoor pollutant investigation



Breathe deeply, we are by your side.



About us

SYNLAB Environment Institute has a long history in hygiene technical issues in HVAC systems. In addition to hygiene inspections following the VDI 6022 guidelines; we offer full analytical testing suites including Legionella detection.

We can offer our customers knowledgeable, trusted, independent advice.

Obtain analytics and expertise from a single source.

We offer regular hygiene inspections for your equipment. Better ventilation hygiene guarantees better wellbeing.

We are here for you

Please email: environment@synlab.com
or for more information visit: www.synlab.de