



VDI- Guidelines published June – July 2012

June:

VDI 2083/3.1 “Cleanroom technology; Metrology in cleanroom air; Monitoring”

This guideline deals with the permanent installation-specific monitoring of individual parameters of controlled environments. The monitoring may be continuous (pressure, temperature, humidity) or sequential (microbiology). The guideline applies to the classical monitoring, i.e. permanent checking of parameters, but not for recurrent measurements for qualification purposes. The guideline does not specify microbiological techniques. It specifies methods the measurements on cleanroom installations and the required instrumentation so as to define a standard. The specifications regarding monitoring measurements aim at aiding the user in selecting methods allowing to determine installation- and process-related deviations from requirements during operation. The guideline does not apply to data loggers which store data to be read out at intervals. Data loggers, on the other hand, which immediately hand over data to a master system, i.e. loggers which are used merely as sensors, are not excluded.

VDI 3807/5 “Characteristic energy-consumption of buildings; Partial characteristics for thermal energy” (Draft Guideline)

This guideline specifies the determination and use of partial characteristics for thermal-energy consumption, either calculated or derived from measured values. The guideline can be used to determine partial characteristics using measured final thermal energy consumptions of a building, to assess and evaluate these characteristics. Typical and atypical uses are taken into account. The methods aim, in particular, at the identification of potential for saving by comparing values to reference values for similar buildings or premises.

VDI 3810/6 “Provision Operating and maintenance of building services; Lifts” (Draft Guideline)

This guideline applies to the operation of lifts requiring monitoring as defined in the German Ordinance on Safe Operation. The guideline aims at describing specified normal operation while ensuring safety for man and the environment. The guideline contains recommendations for lift operators for safe, demand-meeting and economies operation of lifts. Furthermore, it provides guidance on the responsibility of the operator (including legal duty to maintain safety within one's premises), on the control of the risk involved in liabilities and the operation of lifts in accordance with the state of the art.

VDI 4707/2 “Lifts; Energy efficiency; Components” (Draft Guideline)

The series of guidelines VDI 4707 is the basis for an energy-efficiency rating of lifts. Whereas VDI 4707 Part 1 specifies a method allowing to classify entire lifts according to their travel and standstill energy demands, VDI 4707 Part 2 aims at allowing the classification of lifts on the basis of the energy efficiency of the lift components. The classification of VDI 4707 is valid only for the lift in its specified use. It is therefore important that the boundary conditions of use (travel and standstill times) are known already during the tender and planning stages of lifts.

VDI 6028/1.1 “Assessment criteria for Building Services; Technical quality for sustainable buildings” (Draft Guideline)

In this guideline, evaluation criteria for the sustainability of building services are provided. The criteria are applicable to all trades of building services. Evaluating the technical quality of the TGA will be treated separately from usage requirements. It's only about the valuation of the plant itself, not to evaluate the impact on the use and operation of the facilities. Compliance with the usage requirements is provided in the evaluation.

VDI/GVSS 6202/1 “Decontamination of contaminated buildings and installations” (Draft Guideline)

The guideline applies to activities of demolition, refurbishing, maintenance and servicing of building structures and building services, where contaminants are involved. It applies to the removal, coating and separation of contaminants and the consignment and handover of the waste generated to disposal. The guideline describes the essential aspects of the decontamination procedure from the census up to the disposal. Recommendations are given regarding required contractual agreements, which supplement those given in the VOB (Ordinance on Orders and Contracts in Civil Engineering).

July:

VDI 4708/1 “Pressure maintenance, venting, deaeration; Pressure maintenance”

This guideline applies to the media circulation in heating systems where the interruption of operation or of forced circulation is a regular occurrence (e.g. interruption of heating in summer) during operation. It describes the dimensioning of pressure-maintenance systems and the testing of such systems during operation and maintenance. Pressure relief and safety equipment are not the subject of this guideline. The guideline supplements existing guidelines for the design, manufacture and testing of the pressure-maintenance, deaeration and degassing systems or their system components with respect to thermo-hydraulic integration into the fluid circulation in terms of recommendations and dimensioning guidelines.

VDI 6036 “Fasteners of radiators; Requirements for planning and design”

The aim of this guideline is to give companies and individuals who are engaged in the design and construction of heating systems, in compliance with the Product Safety Act (ProdSG), guidance in the selection and design of radiator fixings. Radiator fixings are defined for four classes, from private home with the high degree of care up to sports facilities or schools where things predictably go a bit rougher. For special cases there is a further, even more robust class.