

Durableness of air filters according to DIN EN779

Air filters are in principle subject of monitoring of the differential pressure. The user should not exceed the final pressure difference specified by the producer. The timeframe for the maximum endurance has been described by law in Germany in the technical guideline VDI 6022 *):

- Coarse particle air filters with a maximum of 2 years after placing into operation.
- Fine particle air filters and airborne particle filters maximal 1 year after placing into operation.

The process of ageing of an air filter influences significantly the reliability of this air filter.

To prevent ageing ahead of schedule, the air filters should be stored in the original packaging and in a dark, dry and dust free environment. The maximum period between the date of production and the date of placing into operation is 2 years for air filter mats, pocket filters, cartridge filters and filter cells; for air borne particle filters 4 years.

By excess of the expiration date air filters are no longer subject of warranty.

Air filters which have reached the stage of disposal must be discharged according to the local (environmental) laws.

*) **VDI 6022**: The guideline VDI 6022 is issued by the German VDI Society for Building Services. It describes the measurements of hygienic parameters, which have to be carried out in the context of hygiene checks and hygiene inspections as per VDI 6022 Part 1. This means, in particular, techniques for the microbiological sampling of air, water and surfaces as well as the determination of the dust density on surfaces.

VDI: The Association of German Engineers is a financially independent and politically unaffiliated, non-profit organization of 132,000 engineers and natural scientists. More than 13,000 of these members work for the VDI in an honorary capacity.)