

We would like to inform you that we have a new service, with the most advanced technology for the sanitisation of air conditioning and ventilation ducts by means of automatic brushing.

When we repair or replace an air conditioning system and we access the inside of the ducts through which the supply air circulates to the different rooms of the house, we notice that the walls of the ducts are highly affected by the dirt adhered to them. Our automatic brushing equipment directly accesses the inside of the ducts, allowing them to be cleaned and disinfected.

Air conditioning systems that are not properly cleaned and maintained accumulate dirt in the ducts and many of their components over time, and are therefore an ideal breeding ground for fungi and bacteria. These microbes enter the air supply and spread throughout the home, causing health problems.

High levels of microbial contaminants can be found in many components of ventilation and air-conditioning systems, e.g. in:

- Condensate trays
- Humidification systems
- Cooling towers
- Ducting
- Coils
- Filters

The cleanliness of air conditioning ducts is very important.

Any system that is clean and dry should work well and provide sufficient air quality for good indoor air quality.

Currently in Spain there is the UNE 100012 standard on sanitisation of air conditioning systems, which provides excellent guidance for deciding on the need for cleaning of ductwork interiors. The standard quoted in the Building Installations Regulations dictates the following frequencies of assessment of dirt inside ductwork and air handling units.

ASSESSMENT FREQUENCIES

Use of building AHUs Duct networks

Industrial 1 year 1 year

Residential 1 year 2 years

Office 1 year 1 year 1 year

Commercial 1 year 2 years

Sanitary 6 months 1 year

Restoration 1 year 1 year 1 year

Multituse 1 year 1 year 1 year

Standard UNE 100-012, this is one of the standards used to assess indoor air quality. The purpose of the standard 100012:2005 is to assess the hygiene of ventilation and air conditioning systems (HVAC).

With sanitisation, we manage to eliminate dirt and contaminants, both visible and non-visible, from the entire air-conditioning system, which will subsequently be accompanied by a disinfection process. This standard is compulsory according to the 2013 regulation on thermal installations in buildings (RITE) and is applicable to all air-conditioning and ventilation systems.

Standard UNE 171-330-2:2014, this standard includes the inspection procedures for indoor environmental quality included in the RITE 2013 R.D. 238/2013 in its IT and mandatory annual compliance for all buildings with more than 70 KW thermal installed.

Royal Decree 486/97, of 14 April, establishing the minimum health and safety provisions in workplaces. BOE nº 97 23/04/1997.

Standard UNE 171-330-1:2008, the purpose of this standard is to describe a methodology for the development of an initial diagnosis of the quality and health indoors.

