



Cleaning of Air Conditioning Ducts Methodology



Air Handling Unit - The internal surfaces of the A.H.U., including plenum chamber, fan and fan housing will be hygienically cleaned to remove any contaminating bacteria and dust.

Negative Air Unit and Cobra5 Brush Machine - Depending on the length of the ductwork our duct technicians will cut at least 2 access holes, one at each end of the duct run. One is to attach the Negative Air Unit and the other will be the access point for the Cobra5 Brush Machine.

Using the specially designed attachment the techs will then attach the Negative Air Unit to an access hole at one end of the duct run, secure it accordingly and then activate the Negative Air Unit.

The Cobra5 Brush Machine is then sent down the duct run towards the Negative Air Unit. This disturbs all the dust particles, dirt, fluff and foreign particles sitting in the duct work and the Negative Air Unit will extract everything that has been disturbed. A soft bristled brush is used for internally lagged ducts and a heavier nylon brush for bare metal ducts.

As the Negative Air Unit runs a tripe filter system that includes a hepa filter, it is particularly useful for special use systems. It eliminates release of contaminant back into the occupied spaces.

Once this stage is complete, duct technicians will then mop the ductwork using a specialised duct treatment such as Viraclean or Surgidine.



Once the job is complete, the technicians will then seal the access holes with a galvanised sheet metal patch (same material as duct work) or an inspection door at the customer's request. We will ensure the ductwork remains completely insulated once the job is complete by re-tapping it in place with reinforced foil tape.