

The LIFA Concept

Solutions for Indoor Air Quality (IAQ)



Dirty supply air duct in a hospital.

The Lifa Ventilation hygiene concept for circular and rectangular air supply and exhaust ducts and air handling units.

The concept consists of:

- criteria for cleaning and cleaning results
- methods for the visual evaluation of cleanness
- plans for cleaning
- optimal choice of the cleaning method
- advanced cleaning equipment and procedures
- quality assurance systems and education material



Air duct after cleaning.



Lifa DuckTruck

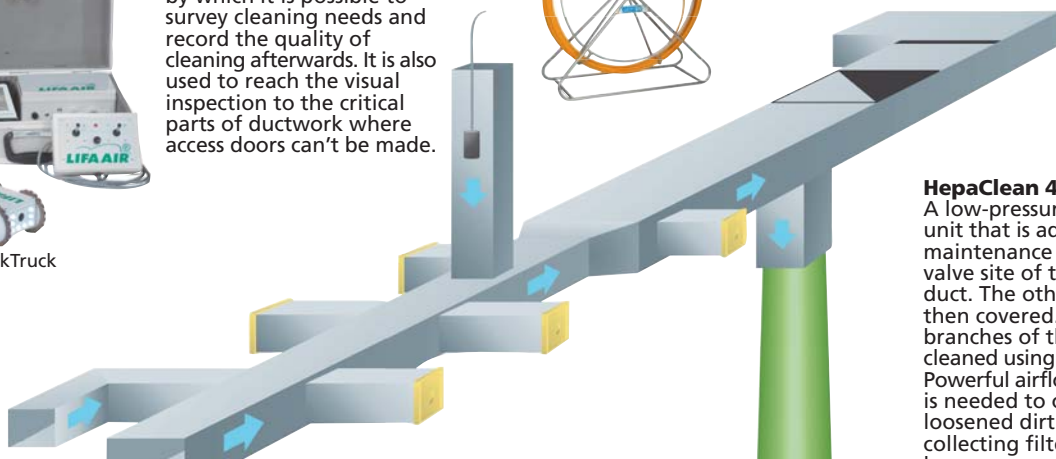
DuctControl Mini

Remote controlled video/digital camera system using a built-in mini tractor by which it is possible to survey cleaning needs and record the quality of cleaning afterwards. It is also used to reach the visual inspection to the critical parts of ductwork where access doors can't be made.



DuctControl Manual

Light and small hand controlled version for vertical and very small ducts where the use of robot is not viable.



HepaClean 4000

A low-pressure vacuuming unit that is adaptable to the maintenance opening or air valve site of the ventilation duct. The other valves are then covered. First the branches of the duct are cleaned using a rotary brush. Powerful airflow (10–20 ms/s) is needed to carry the loosened dirt into the collecting filter bag of the low pressure vacuum unit. Then the filtered exhaust air is conducted outside the building. A High Efficiency Particulate Air (HEPA) filter is used when there is not a possibility to conduct the air out of the facility

Hydmaster

Powerful remote controlled hydraulically driven cleaning machine with optional integration of video camera to the brush unit for real time control of cleaning quality. Hydmaster has a wide range of accessories, e.g. Y-gear for rotating 2 brushes in rectangular ducts.



Special Cleaner 20

Electrically driven cleaning machine with a wide range of accessories. Ideal for small ducts.

