

# Lifa grease cleaning concept

- Aggressive brushes for all types of grease
- Suitable for all types of grease
- Low investment cost
- Low operating cost
- No leaks or drops from joints after cleaning
- Multipurpose machines can be used for other types of jobs



Before cleaning    After cleaning

## Spreading side equipment

- Brushing and air-jetting machines in one
  - Lifa Special Cleaner 25 Multi
  - Lifa Combi Cleaner 40
- Lifa Granule Sprayer for oil adsorbents
- 10 m special hose with attachment piece to Lifa brushing and air-jetting machines



## Suction side equipment

- Negative air machine with multiple filter choices:
  - Lifa HepaClean 3500
  - Lifa HepaClean 4000
- Gravitational / cyclone filter unit (2 different types), 120 l plastic bag inside for removed grease and other dirt
- Damper (accessory for HepaClean machine, in order to control air flow)
- 5 m flexible duct suction hoses x 2
- Special T-joint



## Filters

- Superior filtration efficiency
- Also bad smells can be filtered
- No need to direct air out



Particle filter



Particle and odour filter

F7 particle filter

G4 Pre-Filter mat



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Solutions for Indoor Air Quality

# Lifa HVAC cleaning concept

The Lifa Ventilation hygiene concept for circular and rectangular air supply and exhaust ducts and air handling and air-conditioning 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



Dirty supply air duct in a hospital



Air duct after cleaning in a hospital

## 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.



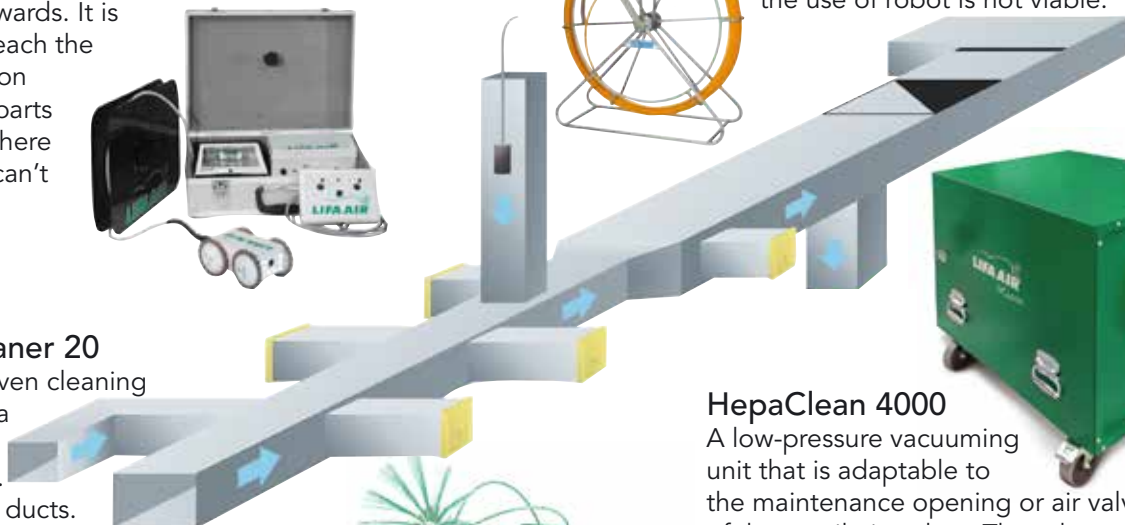
## DuctControl Manual

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



## Special Cleaner 20

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



## 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.



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