

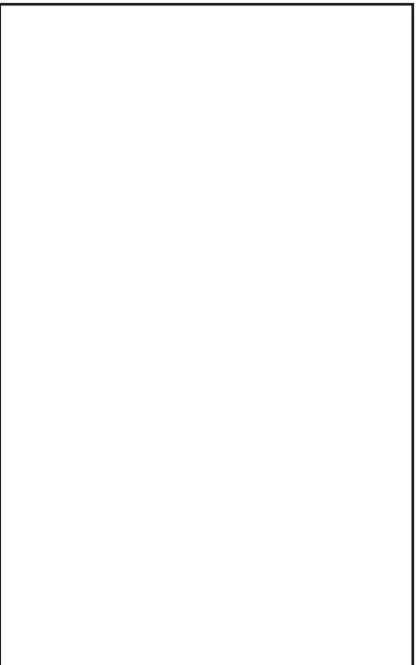
About Us

Air-Care™ was incorporated in 1996 to provide integrated indoor environmental solutions to improve the comfort, health and safety of commercial, industrial and residential building occupants.

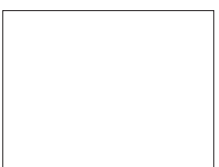
Air-Care™ specialises in the inspection, cleaning and decontamination of **ACMV Ducts** for Airports, Condominiums, Factories, Hospitals, Hotels, Office Buildings, Schools, Shopping Malls, Train Stations etc.

To enhance its professionalism and provide quality assurance for its customers, **Air-Care™** became the first Company in Asia to achieve the following **specialised inspection and cleaning certifications:**

- **Certified Ventilation System Inspector (CVI)**
Awarded by the US NADCA in 2003
- **Air System Cleaning Specialist (ASCS)**
Awarded by the US NADCA in 1997
- **Certified Exhaust Cleaning Specialist (CECS)**
Awarded by the US International Kitchen Exhaust Cleaning Association (IKECA) in 1998



PROFESSIONAL ACMV SYSTEM CLEANING



AIR-CARE ENGINEERING (S) PTE LTD
Blk 1 • Ang Mo Kio Ind Pk 2A • #06-14 AMK Tech 1 • Singapore 568049
Website: <http://www.air-care.com.sg> • E-Mail: sales@air-care.com.sg
Telephone No: (65) 6482-3268 • Fax No: (65) 6482-6789

THE ACMV SYSTEM

The **Air-Conditioning and Mechanical Ventilation (ACMV) System** in your building provides conditioned air to keep building occupants and users comfortable. A typical ACMV System set-up should be made up of the following components:

- Fresh Air Intake
- Fresh Air Duct
- Air Filter
- Air Handling Unit (AHU)
- Supply Air Duct
- Supply Air Diffuser
- Return Air Grille
- Return Air Duct

CONTAMINATION OF ACMV SYSTEMS

An ACMV System may be contaminated by dust and debris even before it is commissioned. During the field installation process at building construction sites, the ACMV System is usually exposed to large amounts of concrete dust, sand particles, gypsum dust etc.

After the ACMV System is commissioned and operated, the contamination process continues throughout its life. Inefficient air filtration, air bypass, poor preventative maintenance practices etc. can result in a severely contaminated ACMV System that contributes to **Indoor Air Pollution**.



Severely Contaminated Air Duct

WHY CLEAN YOUR ACMV SYSTEM?

- **Indoor Air Quality (IAQ) Requirements**
Good IAQ can lead to improved productivity at the workplace. On the other hand, poor IAQ has a negative impact on productivity because of **discomfort, adverse health effects and sickness-absenteeism**. To maintain acceptable IAQ, it is recommended that dust, debris and other contaminants be cleaned out of the ACMV System. Cleaning reduces the likelihood of Indoor Air Pollution in the building and may help to **alleviate comfort and health complaints** of building occupants and users.

- **Legal Requirements**

According to Singapore Law, general statutory duties are imposed on building owners by the Building and Common Property (Maintenance and Management) Act (Chapter 158) and Management Corporations by the Land Titles (Strata) Act (Chapter 30) to maintain and keep the ACMV System in a **state of good and serviceable repair**. Additionally, the Environmental Public Health Act (Chapter 95) also requires building owners to keep their buildings **free of any health hazards**.

ACMV INSPECTION STANDARDS

According to the US National Air Duct Cleaners Association (NADCA) Standard ACR 2002, ACMV System shall be **inspected by a qualified inspector** in accordance with the following schedule:

Type of Building	AHU	Supply Ductwork	Return Ductwork
Healthcare	1 year	1 year	1 year
Industrial	1 year	1 year	1 year
Light Commercial	1 year	2 years	2 years
Commercial	1 year	2 years	2 years
Marine	1 year	2 years	2 years
Residential	1 year	2 years	2 years

WHEN TO CLEAN YOUR ACMV SYSTEM?

Professional ACMV System Cleaning shall be performed when any of the following conditions are found:

- Significant **accumulation of dust or debris** on the internal surfaces of the Air Ducts.
- **Microbial growth** observed visually or confirmed by analytical methods.
- **Discharge of visible dust or debris** into occupied space via the Supply Air Diffusers.
- **Blockages** in the ACMV System affecting the cooling efficiency and/or airflow of the system.

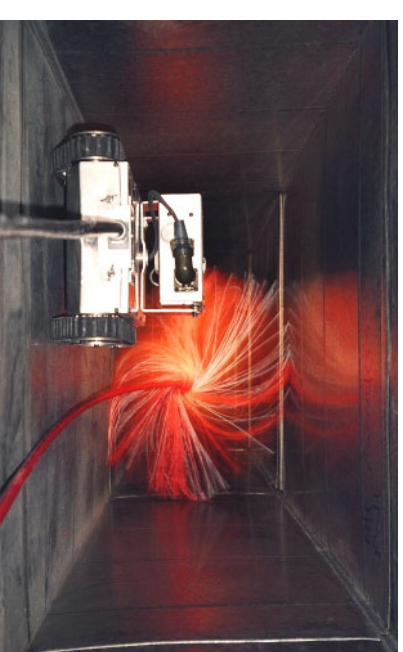
INSPECTION AND CLEANING SERVICES BY Air-Care™

- **FREE Inspections and Proposals**

We offer first-time users an **obligation-free** detailed site inspection of their ACMV System. This would include a comprehensive proposal for cleaning and a video recording of the existing internal ductwork condition.

- **Certified ACMV System Cleaning**

We offer **Source Removal Mechanical Cleaning** (as recommended by the US NADCA) for the entire ACMV System. This would include a comprehensive service report and a video recording of the internal ductwork condition before and after cleaning.



Internal Ductwork Cleaning in Progress