

DISAN BENEFITS

Financial

- Reduce operating time and costs by **30%**
- Reduce maintenance and supply costs by **90%**
- Lifespan of 20+ years, **5-10x** Return on Investment

Operational

- **2x** suction power
- **80%** improved air quality
- **60%** reduction of respiratory allergy symptoms
- Clean dust, liquids
- Silent operation **<50dB**

Sustainability

- **30%** lower energy consumption
- eliminate electronic waste
- avoid single-use waste bags

ROI Case Study*: hotel with 200 rooms

This case study assumes an occupancy rate of 60%, labor cost of €10/h and energy cost of €0.3/kWh, as well as annual inflation of 2.3%. Based on these values and compared to conventional vacuum cleaners, a Disan CVS will achieve breakeven after 3 years and provide a ROI of 8.23x over 20 years.

An average 30% reduction of cleaning time translates to significant labor and energy cost savings, especially when considering inflation over a 20+year time period.

€ 85,000

system investment

2.3 years

until breakeven

€ 45,000

savings per year

* example calculation. Contact us for custom ROI analysis of CVS in your construction project.

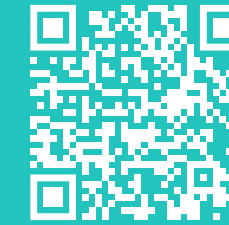


GET IN TOUCH

to receive a free cost-benefit analysis for your commercial construction project!



Disan is the leading manufacturer of CVS for commercial applications of any type, with best-in-class durability, performance and efficiency. Thousands of projects on six continents are a testament to Disan quality.



DISCOVER REFERENCES

FAQs

Can a CVS be retrofitted?

→ No, due to the piping network inside the walls, CVS can only be installed during construction or renovation.

What are the maintenance needs of a CVS?

→ Disan CVS are extremely low-maintenance. That's because we only use three-phase SIEMENS turbines, which are designed to withstand 24/7 operation for several years.

What happens if the piping gets clogged?

→ This can happen, but only very rarely. In such a case, inverting the direction of airflow removes any object that is stuck close to an inlet. Since the pipes diameter increases towards the central unit, any other objects inside the piping can be collected from the dust separator.

Are Disan CVS only suitable for cleaning dust?

→ No, you can also vacuum water and even flammables with the correct equipment. We also offer industrial systems with stainless steel piping and ATEX certifications.



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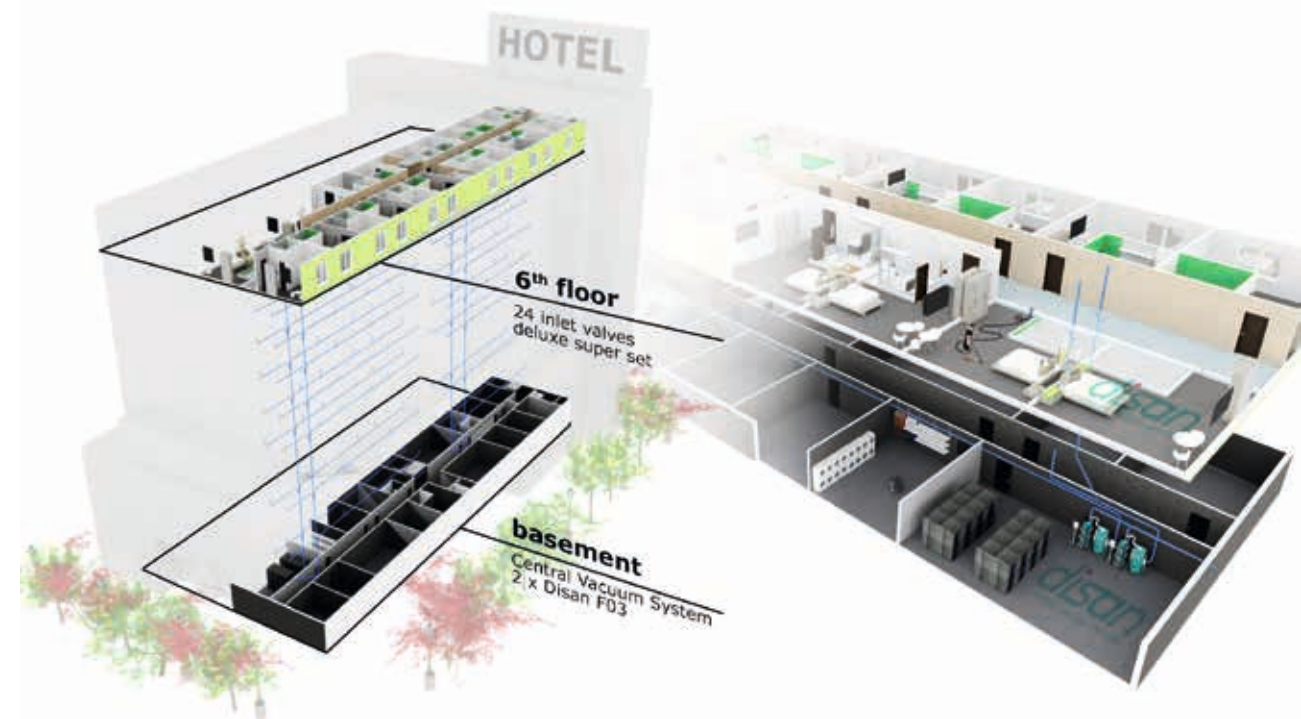
The **FUTURE** of **CLEAN** Spaces.
Profitable. Hygienic. Sustainable.

CENTRALIZED SYSTEMS FOR VACUUM CLEANING

Every indoor space needs to be cleaned regularly for aesthetic and sanitary purposes. Vacuum cleaning accounts for 15-25% of cleaning costs and impacts all surfaces as well as the air quality of a building.

Central vacuum systems (CVS) provide superior cleaning power to a whole building through their network of pipes and inlets with just a single motor and dust collector. Operators simply attach a flexible to an inlet.

There are many different ways to configure a CVS, supplying any number of simultaneous users with maximum cleaning power in the most efficient way, saving both energy and time. Over a 20+year useful life, this makes Disan CVS a financially profitable and environmentally sustainable investment for any commercial building.

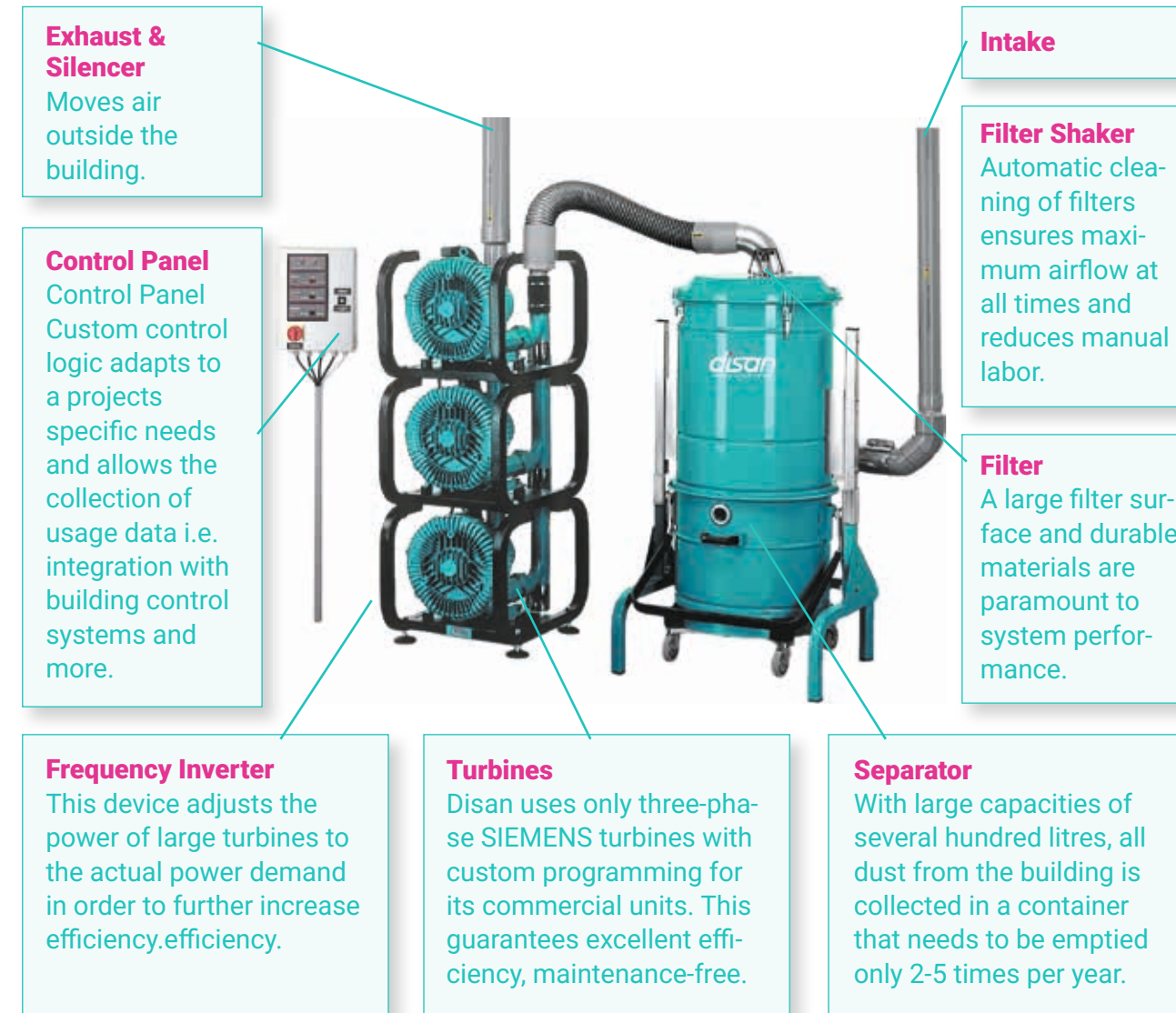


Areas of Application

- Hotels, restaurants
- Mosques
- Offices & Schools
- Apartment blocks
- Theaters & Cinemas
- Museums
- Warehouses
- Clean Rooms
- Factories
- Manufacturing
- Food industry
- Craft industry
- Car washes
- Hospitals
- Supermarkets
- Laboratories
- Sports facilities
- Churches

HOW IT WORKS

Disan's modular systems (shown below) are delivered as turnkey solutions, but configured to perfectly fit every project's demands. Both modular and compact units use only the best components for unparalleled durability, performance and efficiency.



IMPLEMENTATION

Requirements	Planning	Installation
<ul style="list-style-type: none"> floor plan simultaneous operators type of material vacuumed other requirements 	<ul style="list-style-type: none"> hose length inlet positioning central unit pipng network 	<ul style="list-style-type: none"> Inlets Piping network Quality control Central unit

CENTRAL UNITS

Domestic Range	Super Compact Series	Modular Series	Frequency Inverter Series
Apartments and villas up to 500m2	Villas or small commercial spaces	Commercial and Industrial Applications	Commercial and Industrial Applications
1 operator	1-2 operators	custom configuration	custom configuration
1.5-1.9 kW single-phase	1.5-4.5 kW single or three-phase	2.2-19kW three-phase	2.2-19kW three-phase
11-45 l	40 l	100-175 l	100-175 l

ACCESSORIES



INLETS

