

CENTRAL VACUUM SYSTEM FOR INDUSTRY

- Powerful, maintenance-free and durable
- Attractive to users
- Highly efficient and energy-saving
- Custom made



HOW IMPORTANT IS ERGOX FOR MY COMPANY?

Ergox vacuum systems are dedicated to being an actively listening and helping partner in solving the dust or hygiene problems in your company. Working and manufacturing in a safe, clean and dust-free environment is an essential foundation to ensure the health of workers and the quality of your final product.

Traditional vacuum cleaners are complex systems that slow down the manufacturing process. They are heavy and difficult to handle and are often not used at all. Such noisy, low-quality systems are also highly labour intensive and produce fine dust emission, leading to an unhealthy working environment.

▶ **Powerful, maintenance-free and durable**

An Ergox system is extremely powerful. The system was developed to ensure high quality, resulting in a durable and maintenance-free system.

▶ **Attractive to users**

A clean work environment motivates employees and increases productivity.

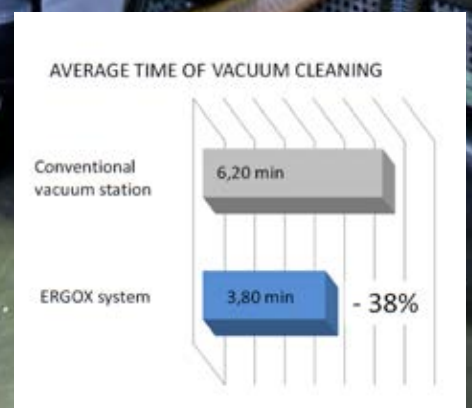
The wide choice of accessories facilitates and simplifies the cleaning of all surfaces or applications.

▶ **Highly efficient and energy-saving**

Due to the extremely powerful vacuum that Ergox central vacuum system generates, dust and dirt are thoroughly removed during each vacuuming cycle, thereby greatly reducing cleaning time. There is a strong focus on energy consumption and long-term efficiency.

▶ **Custom made**

Each Ergox vacuum system is customised and thus perfectly adjusted to the requirements and the use in your company. Ergox provides a customised solution for each and every application.



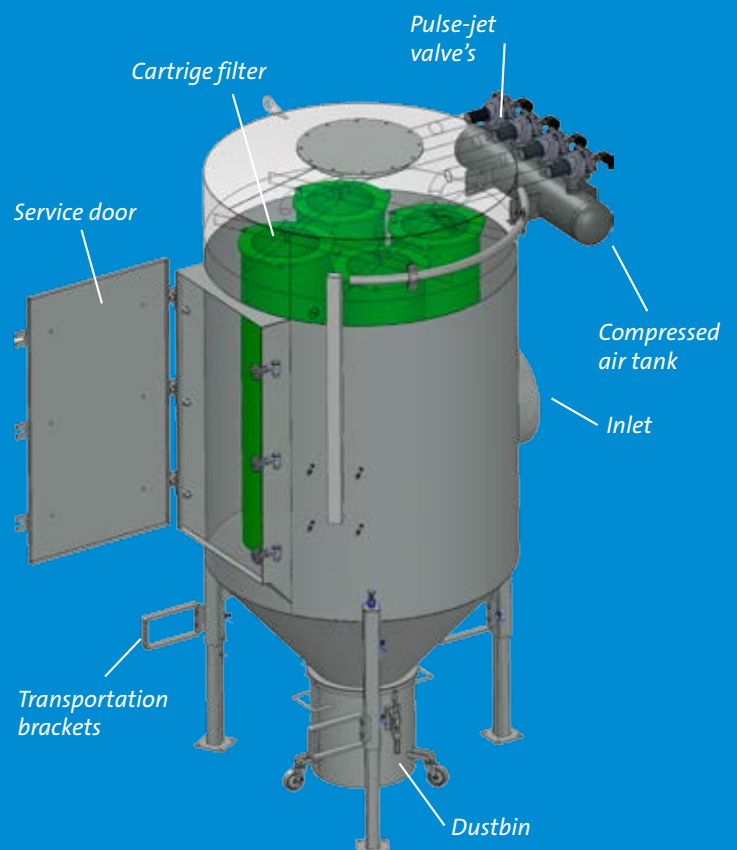
FILTER SYSTEMS

Depending on the type and amount of dust to be collected and after calculating the amount of required air flow, we offer you our filter system. We provide you with customised filters if our standard filters cannot be used. All filter systems are made of 3 and 4 mm sheet steel or stainless steel.



MAINTENANCE-FREE

Ergox installations are maintenance-free, as well as our filter systems. Filtering can be done in several stages, depending on the application. Custom made cyclone separators are responsible for separating of large and heavy dirt. After that the cartridge end filters filter the fine dust. These cartridge filters have a filter surface of up to 240 m² and are automatically cleaned by compressed air reverse pulse jet system. The pressure sensors in the central control system detect the amount of contamination in the filter and start a cleaning cycle if required. The dust can be transported into a waste container of up to 125L capacity or can be discharged into a container or BIG-BAG using a rotary valve or butterfly valve.



A SMALL SELECTION OF OUR PRODUCTS

PIPES AND FITTINGS

Ergox can offer a large range of high vacuum pipes and connections. Stainless steel or galvanised pipes, bends, reducers, etc.



VACUUM VALVES

The vacuum valves open or close the air flow to and from the flexible hoses wherever required.



INDUSTRIAL INLETS

Heavy duty galvanised or stainless steel inlets with micro switch for industrial use, available for all tube diameters.



ROTARY VALVES

Specially designed to automatically empty the filter without shutting the system down.



EXPLOSION PANELS

Explosion panels for ATEX systems with explosion hazards.



HOERBIGER EXPLOSION VALVES

Automatic explosion valves for ATEX 22 and 21 applications.



BUTTERFLY VALVES

Butterfly valve DN400 for automatically emptying the dust filter into a container or BIG-BAG.



AUTOMATIC NOZZLE HOLDERS

Nozzle holder with sensor system. Automatic detection when the nozzle is removed from the holder for super fast cleaning.



ACCESSORIES AND TOOLS



Crevice tool for 38 and 50mm hose



Round dust brush



Universal nozzle



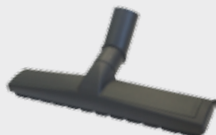
Chrome pipe



Hose suspender



Wide industrial floor brush



Semi-industrial floor brush



Claw tool



Claw tool long



Industrial hoses, diameters from 25 to 63 mm

FLEXIBLE AND ECONOMICAL

No matter how many simultaneous users there are, the power supply to the pumps are constantly controlled. That ensures that the system operates with the highest possible energy efficiency. The electronic system not only calculates the required adjustable power to control the work of the pumps, but also checks the pressure difference across the cartridge filters by using pressure sensors. The pulse-jet system is activated, wherever necessary, in order to keep the filters clean and to guarantee the optimal efficiency.



FOR THE ENVIRONMENT

The vacuum is produced by the best maintenance-free and slow-speed side-channel turbines, powered by high energy efficient SIEMENS motors. These are coupled to SIEMENS frequency controllers and reach the Premium Efficiency class IE3. Pressure sensors and PLC system constantly and efficiently control the adjustable capacity, so that power is never lost.

Energy consumption constitutes 97% of the cost of operating the motor during its lifetime, while purchase and maintenance costs only 3%.



All system parameters: power management, amount of adjustable suction, working hours, information over how full the waste container is, opening hours of the carwash, filter performance, etc., can be visualised and stored via the touch screen display. Option of remote installation or operation.

SOME TECHNICAL SOLUTIONS

Ergox central vacuum systems can be used in all sectors. Foods, cardboard, packaging, plastics and metal processing industries, clean rooms, laboratories, 3d printing, waste incinerators, car and car body workshops, feed processing, wood, textiles, pharmaceuticals and automotive industries, lime, cement, plaster, glass, fertiliser and sugar industries, as well as car wash vacuum systems are just a few of the examples where our systems can be used.



ERGOX

SYSTEM DESIGN

It does not matter how large or small your project is, what fabric or material is to be cleaned, how this material is to be collected and processed and whether in small or large quantities, with 1 or 50 persons simultaneously - ERGOX has all the knowledge, the expertise and the products in house to more than meet your demands, requirements and standards.



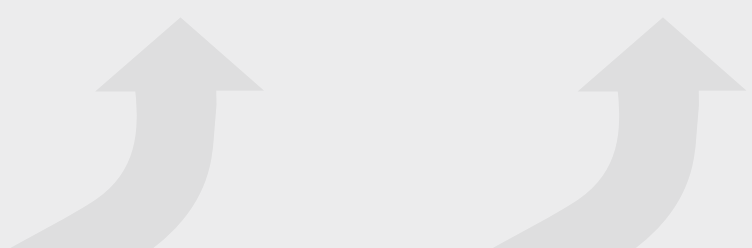
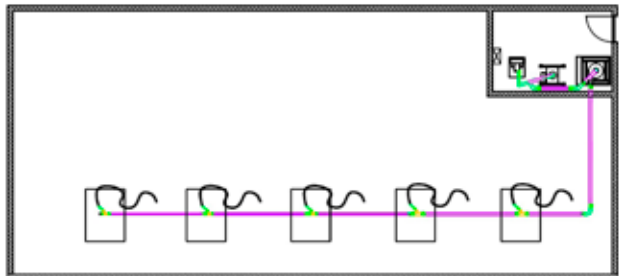
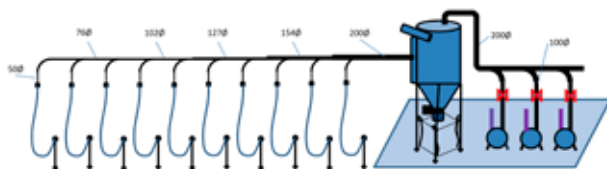
CONSULTING AND ADVICE

For end users:

For different levels of users can be provided instructions on-site.

For distributors:

Ergox can install its equipment directly or through its distributors in over 40 countries. Ergox provides support to its distributors and installers and can provide all the required drawings and manuals. Worldwide, on-site support is one of our strengths.





ERGOX

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