



MADE IN
CZECH REPUBLIC

CF CIPRES FILTR

AIR EXHAUST AND FILTRATION





Diligence, discipline, morality and respect for the environment, as well as the desire to work and creative realization of own thoughts, but also reluctance to accept laziness, ignorance and incorrectness of the environment – it is a very long and difficult route of life.

Cipres route began in 1990 with establishment of the company focused on solving environmental problems, mainly in the field of industrial filtration. Combination of possibility to construct these equipments and present them in real life became a challenge which is persistent and gradual. These challenges take and bring power. They are good especially when resulting in client's satisfaction, which is the most beautiful reward for me personally and for our entire team.

With respect
Přemysl Pazdera



Products

FILTER CARM GH



- Primarily intended for central exhaustion
- Exhausting capacity from 1,000 m³/h to several hundred thousand m³/h
- Pocket filtration element made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%
- Smart systems of management

FILTER CARM GH-ZLD



- Primarily designed for woodworking and printing industries
- Exhausting capacity from 40,000 m³/h to several hundred thousand m³/h
- Pocket filtration element made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%
- Smart systems of management

FILTER CARM V



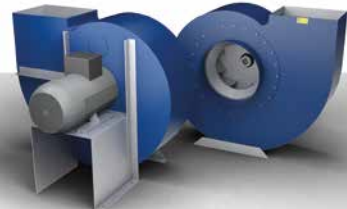
- Primarily designed for dust removal from silos or bins
- Exhausting capacity from 1,000 m³/h to 30,000 m³/h
- Pocket filtration element made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%

FILTER CUMA D-ST



- Primarily designed for dust removal from fibre materials of wooden or paper dust
- Exhausting capacity from 3,000 m³/h to 60,000 m³/h
- Hose-type filtration elements
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 15,000 operating hours
- Filtration efficiency higher than 99.99%

INDUSTRIAL VENTILATORS



Radial air ventilators:

- Designed for clean air transport
- Exhausting capacity: from 480 m³/h to 40,000 m³/h
- Pressure power: from 520 Pa to 16,000 Pa
- Possible control by frequency converter

Radial transport ventilators:

- Designed for air transport, including dust portion
- Exhausting capacity: from 960 m³/h to 30,000 m³/h
- Pressure power: from 520 Pa to 8,000 Pa
- Possible control by frequency converter

FLUE GAS RECUPERATORS



- Designed for recuperation of waste flue gases with dust particles
- Mostly applied during recuperation of thermal energy in foundry, smelting and glass-production plants
- Performance series from 100 kW to 1 MW
- Delivered usually as a part of a technological unit

CYCLONE SEPARATORS



- Primarily designed for separation of heavier particles
- Exhausting capacity from 600 m³/h to 30,000 m³/h
- Standard version fitted with rotation feeder and exp.
- Used also as a pre-separator before the filtration device

WASTE COLLECTION



- Rotation feeders
- Worm conveyors
- Pneumatic transport
- Containers with lower discharge
- Collection containers

A product represents a realized idea for us. You will barely find two identical products, as we have always been setting the supplied technology tailored to specific problem.

Production of our technology is provided by a separate production department based in Boršice near Buchlovice. The manufacturing process also includes: burning laser, press-brakes, table scissors, welding workshop, grinding workshop, powder paint workshop, automatic blasting, sewing workshop, assembly centre, etc.

We emphasize high-quality of our products, which is reflected in their very long life-time and functionality. We have the technology equipped with smart control systems, which, among others, save the cost of electrical consumption of our customers.

The basic raw material is sheet metal. The rest is our "know how".



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| 3 | 4 |
- 1 / Filtration equipment CARM GH; dust removal of feeding mixture processing; De Heus a. s., Bučovice; 2 / Filtration equipment CARM GH, exhaust of the double-head machining centre, Kovovýroba Hoffmann, s.r.o., Ostrožská Nová Ves; 3 / Filtration equipment CARM V, dust removal during silo filling with sorbent, Elektrárny Opatovice, a.s., Opatovice nad Labem; 4 / Filtration equipment CUMA D-ST, exhaust of CNC machining equipment, Sapeli a. s., Jihlava.

FILTER
CARM GH



- Primarily intended for central exhaustion
- Exhausting capacity from 1,000 m³/h to several hundred thousand m³/h
- Pocket filtration element made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%
- Smart systems of management

FILTER
CUMA D-ST



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- Exhausting capacity from 3,000 m³/h to 60,000 m³/h
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FILTER
CARM GH-ZLD



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INDUSTRIAL
VENTILATORS



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- Designed for clean air transport
 - Exhausting capacity: from 480 m³/h to 40,000 m³/h
 - Pressure power: from 520 Pa to 16,000 Pa
 - Possible control by frequency converter
- Radial transport ventilators:
- Designed for air transport, including dust portion
 - Exhausting capacity: from 960 m³/h to 30,000 m³/h
 - Pressure power: from 520 Pa to 8,000 Pa
 - Possible control by frequency converter

FLUE GAS
RECUPERATORS



- Designed for recuperation of waste flue gases with dust particles
- Mostly applied during recuperation of thermal energy in foundry, smelting and glass-production plants
- Performance series from 100 kW to 1 MW
- Delivered usually as a part of a technological unit

FILTER
CARM V



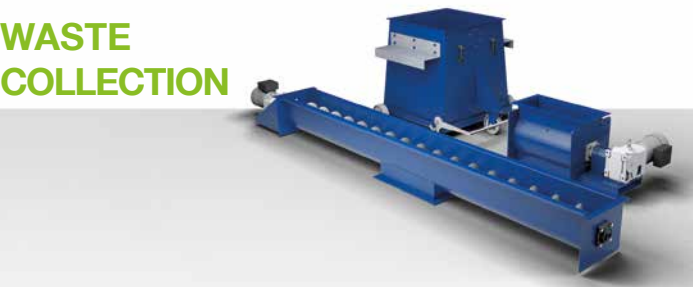
- Primarily designed for dust removal from silos or belt conveyors
- Exhausting capacity from 1,000 m³/h to 30,000 m³/h
- Pocket filtration element made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%

CYCLONE
SEPARATORS



- Primarily designed for separation of heavier particles
- Exhausting capacity from 600 m³/h to 30,000 m³/h
- Standard version fitted with rotation feeder and expander
- Used also as a pre-separator before the filtration device

WASTE
COLLECTION



- Rotation feeders
- Worm conveyors
- Pneumatic transport
- Containers with lower discharge
- Collection containers

FILTER
CARM V-BF



- Primarily designed for dust removal from redlers, belt conveyors and elevators
- Exhausting capacity from 400 m³/h to 2,000 m³/h
- Pocket filtration elements made of non-woven textile
- Automatic regeneration of filtration medium
- Lifetime of filtration medium min. 20,000 operating hours
- Filtration efficiency higher than 99.99%

ROTATION
SEPARATORS

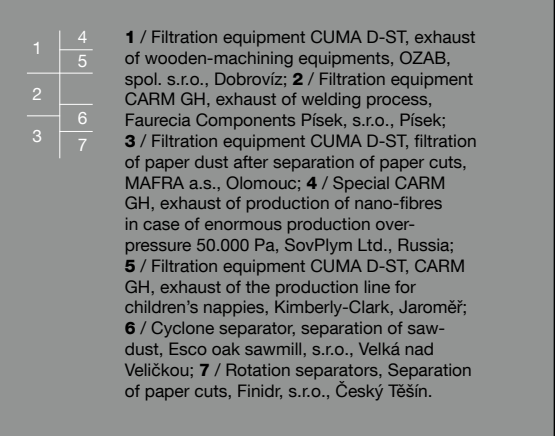


- Primarily designed for separation of paper or PVC cuts, chemion bundles, etc.
- Performance series from 3,000 m³/h to 50,000 m³/h
- Standard version fitted with input and output channel, including the flaps
- Related usually to various types of pressing machines

ACCESSORIES



- Piping parts: segmented knees, tubes, crossing branches, closing valves, switching valves, shut-off valves
- Exhausters: suspended hoods, vertical hoods, suction tubes, suction cabins



1 / Filtration equipment CUMA D-ST, exhaust of wooden-machining equipments, OZAB, spol. s.r.o., Dobroviz; 2 / Filtration equipment CARM GH, exhaust of welding process, Faurecia Components Plsek, s.r.o., Plsek; 3 / Filtration equipment CUMA D-ST, filtration of paper dust after separation of paper cuts, MAFRA a.s., Olomouc; 4 / Special CARM GH, exhaust of production of nano-fibres in case of enormous production over-pressure 50.000 Pa, SovPlym Ltd., Russia; 5 / Filtration equipment CUMA D-ST, CARM GH, exhaust of the production line for children's nappies, Kimberly-Clark, Jaroměř; 6 / Cyclone separator, separation of saw-dust, Esco oak sawmill, s.r.o., Velká nad Veličkou; 7 / Rotation separators, Separation of paper cuts, Finidr, s.r.o., Český Tešín.

Application

We supply our technology across different businesses. Whether it is a giant car factory welding facility or smaller equipment in the joinery workshop, our approach still remains unchanged. In every case, we apply tailor-made facilities, according to the specific circumstances of a particular plant. We always try to offer the best possible solution.

Each application has own specifics which must be considered; we are here to design reliable solution. The right choice of filtration equipment and its accessories is very important, as well as adequate piping lines, suitable suction devices, waste disposal, etc.



Wood-processing production plants

- Solution for production line exhausts
- Extraction of chips
- Technology of transport and waste processing
- Design of filtering technology for suction of explosive dust
- Recommended devices: CARM GH ZLD, CUMA D-ST

Paper-processing production plants

- Exhaust of paper cuts
- Separation of paper cut
- Implementation of packing and pressing machines
- Design of filtering technology for suction of explosive dust
- Recommended devices: CARM ZLD, CUMA D-ST, rotary separator

Welding workshops

- Exhaust of robotic workplaces
- Spatial exhaust by piping lines under the ceiling
- Local exhaust with welding tables, hoods, suction arms
- Recommended device: CARM GH filter

Grinding workshops

- Dust exhaust of stationary grinders by direct connection to the machine neck
- Spatial exhaust with wall-mounted vertical hoods
- Lower exhaust via floor grates
- Recommended device: CARM GH filter

Automotive

- The most difficult technologies for suction of welding plants
- Exhaust of robotic workplaces
- Exhaust of grinding workplaces
- Continuity of suction power
- Recommended devices: CARM GH

Exhaust of furnaces with solid fuels

- Separation of fly-ash
- Elimination of burning particles using pre-separator
- Technology equipped with heating and insulation
- Recommended filtering device: CARM GH



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1 / Wall-mounted vertical hoods, including the grinding table with coarse particles drop and collection drawer, ABB s.r.o., Brno; 2 / Hanging hood, suction of welding process, CIPRES FILTR BRNO s.r.o., Boršice near Buchovice; 3 / Direct connection of the production line to manufacture wooden doors, Sapeli a.s., Jihlava; 4 / Direct connection of the feeding mixture separator, De Heus a. s., Bučovice; 5 / Exhaust cabin to exhaust the process of grinding fitted with sliding hoods, louvers and noise-absorbing panels, ABB s.r.o., Brno





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Grinding workshops

- Dust exhaust of stationary grinders by direct connection to the machine neck
- Spatial exhaust with wall-mounted vertical hoods
- Lower exhaust via floor grates
- Recommended device: CARM GH filter

Foundry plants

- Solution of dust removal from shake-out grates and sand management
- Exhaust of processes for cast machining
- Replacement of wet separators
- Recommended filtration devices: CARM GH

Foundry plants – furnaces

- Exhaust of induction melting furnaces
- Exhaust of gas melting furnaces
- Recommended devices: CARM GH, RECUPERATOR

Coal-processing production plants

- Exhaust of extraction pits
- Exhaust of rolling mill cutters
- Exhaust of belt conveyors
- Recommended device: CARM GH

Coke-processing production plants

- Exhaust of separating workshops
- Exhaust of crushers
- Exhaust of over-spills of belt conveyors
- Recommended device: CARM GH

Wood-processing production plants

- Solution for production line exhausts
- Extraction of chips
- Technology of transport and waste processing
- Design of filtering technology for suction of explosive dust
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Paper-processing production plants

- Exhaust of paper cuts
- Separation of paper cut
- Implementation of packing and pressing machines
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Automotive

- The most difficult technologies for suction of welding plants
- Exhaust of robotic workplaces
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- Continuity of suction power
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Exhaust of furnaces with solid fuels

- Separation of fly-ash
- Elimination of burning particles using pre-separator
- Technology equipped with heating and insulation
- Recommended filtering device: CARM GH

Production of building materials

- Exhaust of ceramic dust
- Dust removal from production lines
- Abrasion dust resistant technology
- Recommended devices: CARM GH

Food processing plants

- Exhaust of production lines of food products
- Exhaust of the technology for cleaning and storage of seeds
- Design of filtering technology to exhaust explosive dust
- Recommended devices: Cyclone separator, CARM GH

Central vacuum cleaning systems

- Central piping system with connection points
- Designed for maintaining cleanliness in workplaces
- Roots blower used as drive unit
- Recommended filtration device: CARM GH



Quality Experiences Expertise Services

*This is the choice
for Cipres.*

Why Cipres?

We supply technological units in the field of industrial air-conditioning devices with focus on extraction and filtration of the air with dust particles, fumes and pollutants. We produce the bespoke equipments, according to specific demands of our customers, using our own production capacities (turn-key method), including assembly, wiring and commissioning. The service department subsequently provides both warranty and after-warranty services.

We supply our technology all over the world, mainly to the EU countries; we have representation for example in Germany, Netherlands, Switzerland, Bulgaria, Russia and Russian-speaking countries.



Quality Experiences Expertise Services

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QUALITY

QUALITY OF FILTERING MEDIUM – our filtration media have their lifetime of 18,000-20,000 operating hours and the effectivity of 99.9%.

HIGH-QUALITY SURFACE PROCESSING OF PRODUCTS – we make blast-cleaning on all surfaces before final painting. It makes the surface finish which is better resistant to weathering conditions.

HIGH-QUALITY MATERIALS – we use high-quality metal sheets with special surface finish treatment, those produced in Finland

CERTIFICATION – Since 2015 we have been awarded the certificates: Quality Management, Processes of Welding and Manufacturing of Steel Structures.

ENERGY SAVING – we equip our technology with smart control systems, saving the cost of electricity for our customers.

EXPERIENCES

28,000 CONTRACTS – both small and large ones; this is the number we have implemented since foundation of the company.

CUSTOMERS ALL OVER THE WORLD – just except for Antarctica where our equipments have not come so far.

FOUNDED IN 1990 – for over 25 years we have been producing and supplying technologies in the area of industrial air-conditioning systems.

120 EMPLOYEES – this is our team, being in the facilities of Brno as well as in the production plant of Boršice. We are able to react quickly and reliably to any demand of our customers.

EXPERTISE

BESPOKE TECHNOLOGY – we work in the field where each order is unique; therefore we make each realization tailor-made according to the customer wish. We can satisfy unique requirements and we can always find the right solution which will work.

WE ARE MANUFACTURERS – we have the necessary manufacturing and professional background allowing us to produce 90% of the technology provided. We have our key manufacturing sites, like for instance the burning laser, press-brake, table scissors, powder paint workshop, automatic blasting workshop, welding workshop, grinding workshop, sewing workshop, etc.

WIDE PRODUCT PORTFOLIO – technologies as large as buildings or facilities of the size like a dishwasher. Giant welding workshop or a small joinery workshop. Each order is significant for us; we are dedicated to them with the same intensity.

WE GROW UP WITH YOU – we still meet new requirements of our clients; we solve them with pleasure. We still learn and develop our products.

SERVICES

WARRANTY AND AFTER-WARRANTY SERVICES – we have our own high-quality service department; thanks to the production background, we are able to flexibly respond to any problem.

TURN-KEY SUPPLIES – analysis of needs, design of concept, production and complete implementation (assembly, wiring and commissioning). All of these activities are done by our qualified staff.

7 OFFICES IN FOREIGN COUNTRIES – in addition to own business, we have been cooperating together with our foreign partners for many years.

CONCEPTUAL PROPOSALS – our activities include design of particular technology. After analyzing your needs, we will propose optimal solution for you.

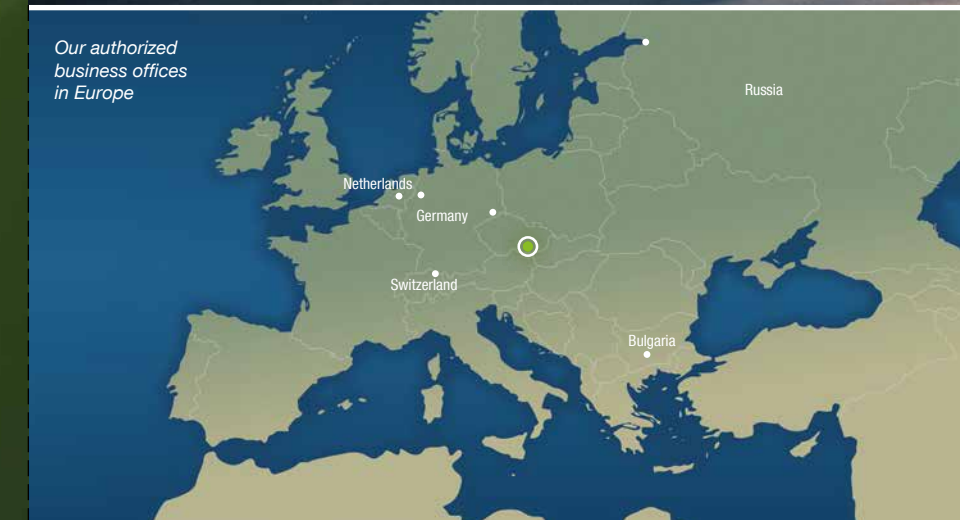
High-quality has always
been our main priority



Production plant in Boršice



Our authorized
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in Europe







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