

REGENERATION, MANUFACTURING & SALES OF COOLERS & RADIATORS

www.vancooler.pl



ABOUT US

We have been successfully operating in the market for a number of years now. We train employees, invest in infrastructure, open to new possibilities. We want to be a part of your success.

The company was established in 2010, with main goal of regeneration of radiators for trucks and buses. Dynamic growth allowed us to widen our offer with regeneration of liquid, oil, and air coolers for railway engines, construction machines and heavy industry equipment, agricultural machineries and other special-purpose equipment.

Currently, **we are a leader in the field of regeneration of cooling systems of water**, air, oil, as well as a manufacturer operating in the coolers sector. Concurrently, we are developing regeneration market branches, striving to deliver our business partners with the top-quality solutions.

The experience we have gained over the years lets us act efficiently and effectively. Cooperation with many renowned manufacturers of cores and other components allows us to instantly respond to your needs and guarantees **high quality products and competitive prices**.

We maintain high stocks of ready products, in order to secure as short as possible turn-around times and off-the-shelf products. As we are cooperating with numerous courier service providers, **we reach almost every location in Europe instantly**.

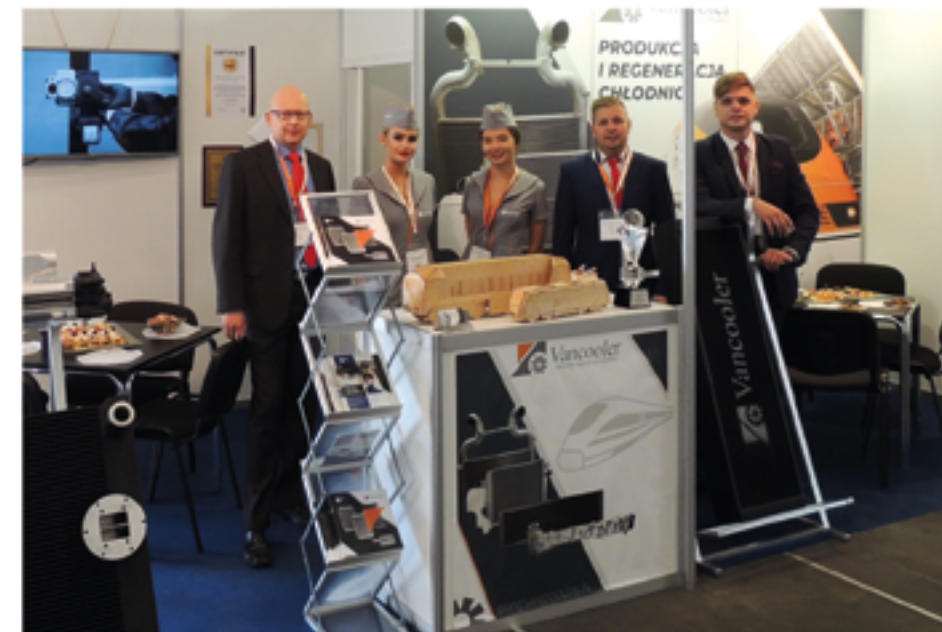
Company's main seat is located in Zielona Góra (Lubusz Voivodeship, Poland), and our branches are located in Netherlands (Oss) and in Lithuania (Kaunas).



We thank you for your trust and recognition as a reliable, conscientious and worth-recommending business partner.



-- Marek Szapiński
Owner



We have been successfully operating in the market for a number of years now.

We train employees, invest in infrastructure, open to new possibilities. We want to be a part of your success.

Knowledge, passion and commitment of our team members translates into high quality of our services. A good team of employees – this is our greatest success.



FAST
REALIZATION

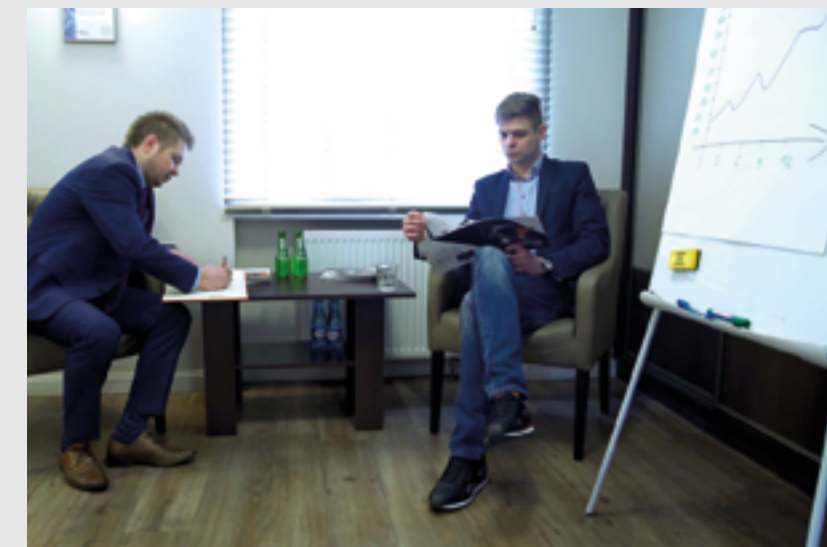


PROFESSIONAL
SERVICE



HIGHEST
QUALITY

We realize any and all orders, providing solutions that are the most suitable for our clients. We provide for rapid and troublesome contact with us.



CERTIFICATES AND PRIZES

Throughout the years of our operation we have garnered both, vast experience and client's trust, which is confirmed by certificates and prizes won.

ISO 9001:2008 Certificate

Wholesale and retail, regeneration, manufacturing and repair of cooling system components for trucks and buses, and construction, road-paving, agricultural, water-borne machines, air-conditioning systems, railway engines and other special-purpose equipment.



„Firma Godna Zaufania” Certificate

For unimpeachable integrity, business conduct ethics and consistent approach to commitments towards clients and contractors.



„Laur Eksperta” of Polish National Contest and Programme of Consumer Consulting for modern, innovative and valuable products and services available in Polish market. Vancooler had been honoured in recognition of the regenerated gas exhaust recirculation system.



LUBUSKI
LIDER
BIZNESU

„Lubuski Lider Biznesu” Prize

Wyróżnienie przyznawane lubuskim przedsiębiorcom za całokształt działalności - kondycję finansową firmy, warunki pracy, poziom wynagrodzeń, terminowość regulowania zobowiązań, innowacyjność, dbałość o środowisko czy działalność społeczną.

Polish Export Market Prize UNIOPOL

UNIOPOL World Class Offer Prize – leader in the branch of regeneration of cooling systems for commitment in the field of foreign expansion.



We Successfully Respond
to Our Client's Needs



FAQ

Some of the most frequently asked questions

1

What is regeneration and what is it all about?

Regeneration is a process of restoring full operational characteristics of worn or damaged radiators, coolers and recirculation systems. It may feature a complex treatment, during which the parts are restored with their original shape, dimensions, parameters and characteristics necessary for further operation.

Basically, it is all about replacing parts with new ones. In the case of radiators and coolers this means replacement of cores, and in the case of exhaust gas recirculation systems it means replacement of shell and tube heat exchanger, together with gaskets, O-rings, valves and bolts.

2

What is the difference between regeneration and repair?

Regeneration permanently restores operational characteristics of parts; on the other hand, repair is a temporary and instantaneous rescue solution. Most often, this involves adhesive bonding, plugging of the damaged components of coolers or radiator, or recirculation systems, thus reducing their technical characteristics.

3

What is the operational life of regenerated products?

Due to employment of exactly the same subassemblies as in the case of OEM products, or – in some cases – subassemblies or materials of better quality, the life of liquid coolers, intercoolers and exhaust gas recirculation systems is exactly the same, as in the case of OEM products.

4

What is the product warranty we provide?

All our products are provided with 12-month warranty.

5

What are the turn-around times and is there a possibility of on-site replacement?

Most of the products we feature in stock, are ready off-the-shelf and if requested by the client, we may conduct on-the-spot regeneration of a delivered component.

6

Should the old part be returned to you?

The old parts decreases the cost of purchasing a new regenerated subassembly. Clients pay solely for new components and the time needed for regeneration, and this lets us maintain continuity of production.

7

Does your offer feature new products?

Vancooler company's offer features also new liquid coolers, intercoolers, gas exhaust recirculation systems, air conditioning systems, as well as viscous fans.

8

Is it possible for you to make a customised cooler or radiator design?

On client's special request and on the basis of technical drawing or an old cooler/radiator we may manufacture a new one, of the same dimensions and operational characteristics. Our engineers will design a suitable solution.

REGENERATION PROCESS

Regeneration is a process that enables restoration of device's full efficiency.

Regeneration is in fact an exchange of a core for a new one, matching the specification of the regenerated product. Tanks are welded, soldered or latched and the cooler/radiator is tested for tightness. Such a product provides for perfect operation in a cooling system. We utilise various cores supplied by a number of manufacturers. Any cooler/radiator – liquid, air or oil, in automotive branch, industry, agricultural technology and railroad transportation – may be a subject of regeneration process.



Cleaning

Prior to regeneration, each element is cleaned. For cleaning of elements we use special agents for high-pressure cleaning. Only clean elements may undergo process of regeneration. Following the bath, they are sand-blasted.

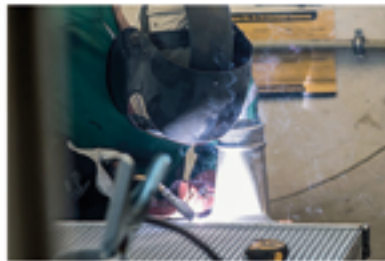
Cutting

For the process of regeneration we use unworn, undamaged elements of your cooler/radiator. We make it possible thanks to our expertise and top-quality tools. Thus, we reduce the cost of purchase and replacement of cooling elements.



Welding

We weld with any given method and in any given types of materials. Details are arranged on a standard table and welded by experienced welders.



Tightness test

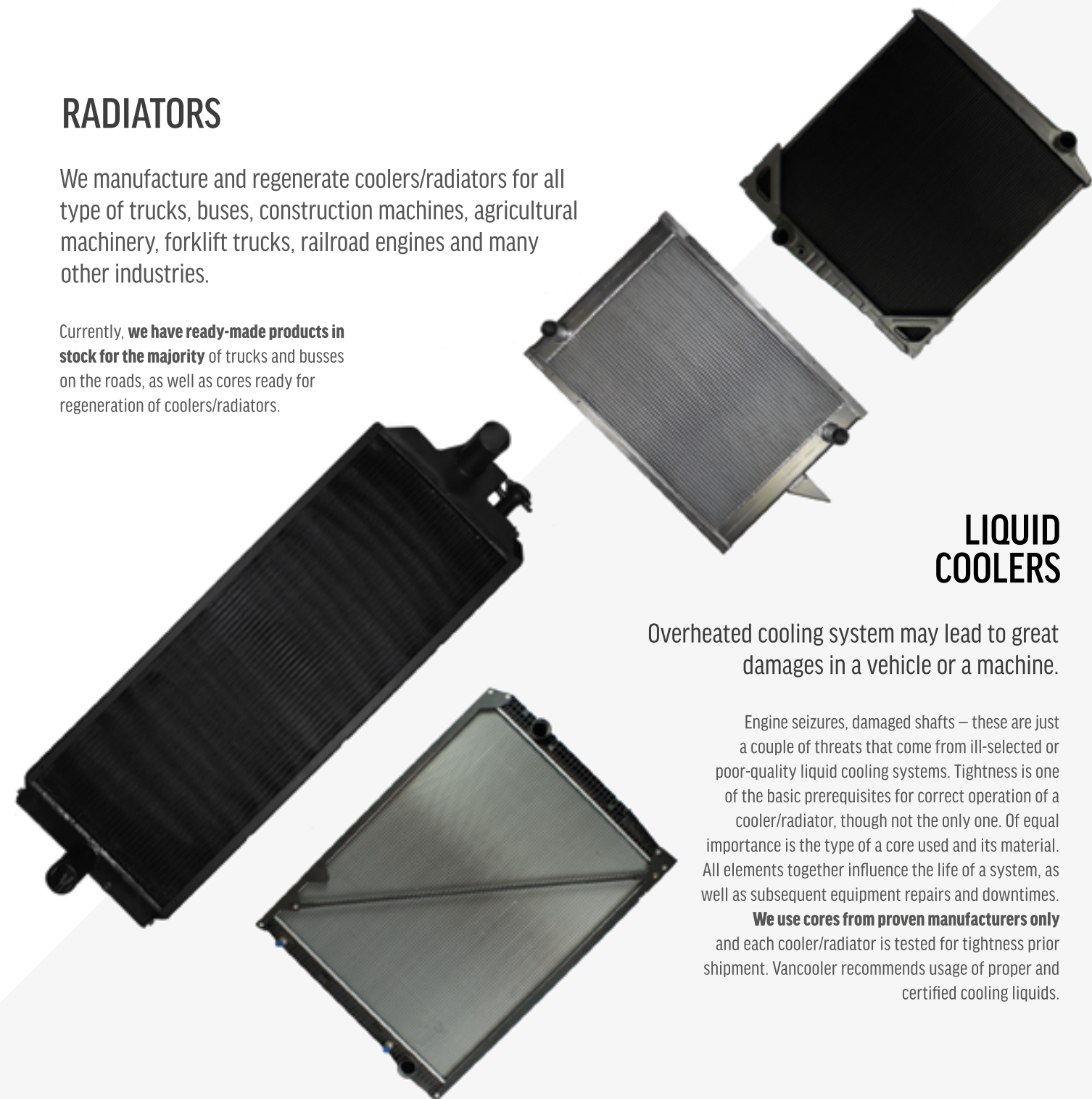
The first of quality tests – tightness test. Each cooler/radiator, intercooler or recirculator undergoes tightness test. We want to be sure that our clients receive nothing but top-quality products.



RADIATORS

We manufacture and regenerate coolers/radiators for all type of trucks, buses, construction machines, agricultural machinery, forklift trucks, railroad engines and many other industries.

Currently, **we have ready-made products in stock for the majority** of trucks and busses on the roads, as well as cores ready for regeneration of coolers/radiators.



LIQUID COOLERS

Overheated cooling system may lead to great damages in a vehicle or a machine.

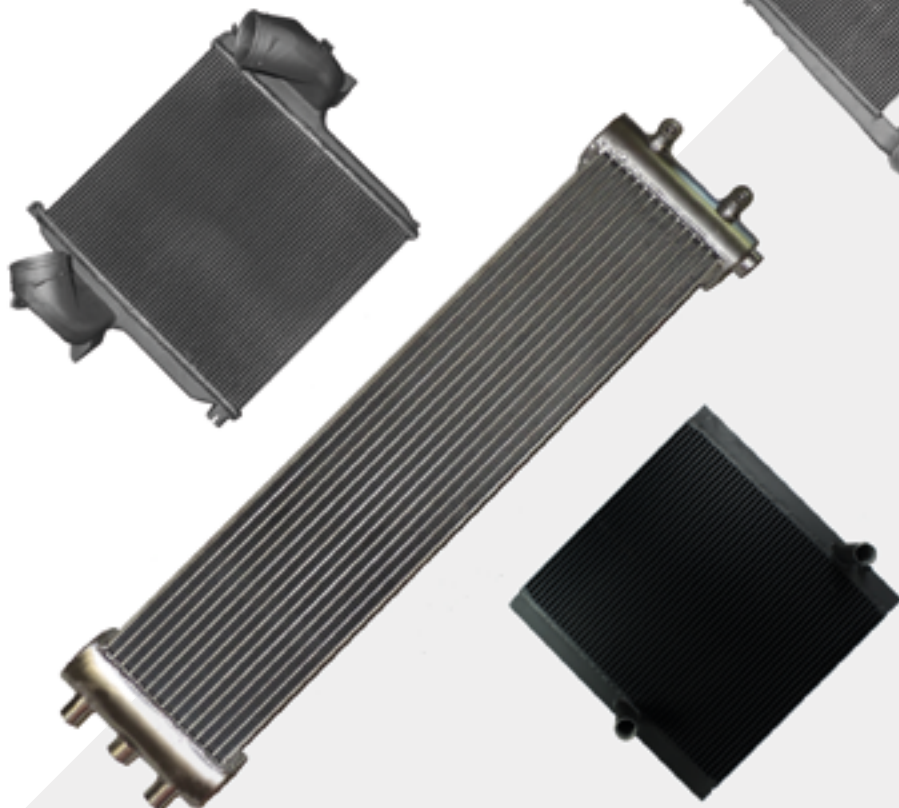
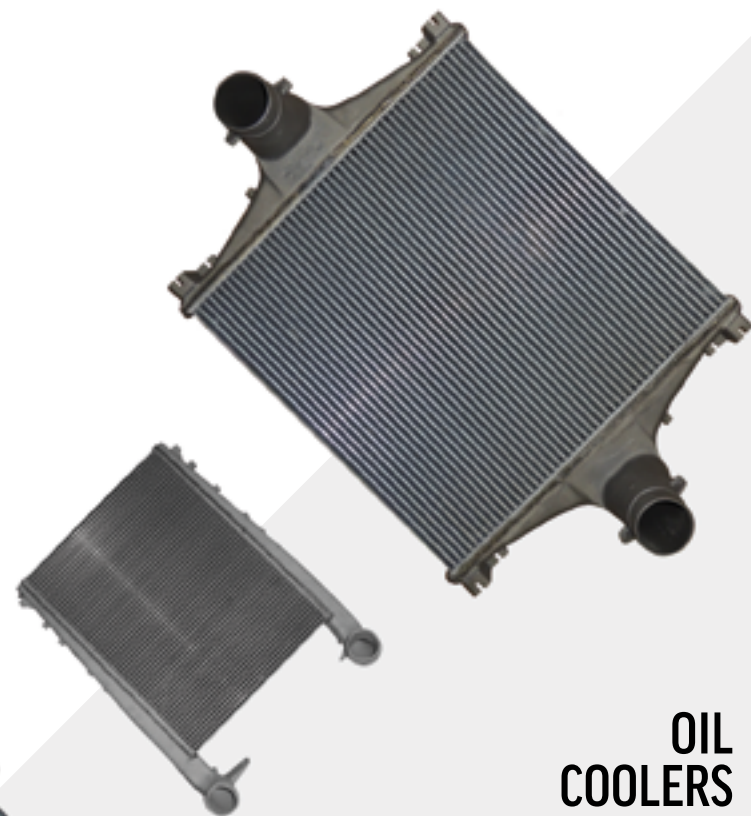
Engine seizures, damaged shafts – these are just a couple of threats that come from ill-selected or poor-quality liquid cooling systems. Tightness is one of the basic prerequisites for correct operation of a cooler/radiator, though not the only one. Of equal importance is the type of a core used and its material. All elements together influence the life of a system, as well as subsequent equipment repairs and downtimes.

We use cores from proven manufacturers only and each cooler/radiator is tested for tightness prior shipment. Vancooler recommends usage of proper and certified cooling liquids.

AIR COOLERS

Damaged, leaking air cooler effects in decrease in engine power, and in consequence, in faster exploitation.

Drop in power, increase in fuel consumption – these are the basic issues connected with intercoolers. We provide a solution based on a regeneration including replacement of an entire core. At times, especially in the case of construction machines operating in highly aggressive and corrosive conditions, it is better to build a new air cooler. It provides for longer and better operation. We have the knowledge that lets us select the right parameters to guarantee better operation.



OIL COOLERS

In the case of leaks in oil coolers, it often happens that oil enters cooling system.

Oil in cooling system means, simply, damage to a pump and high soiling of cooling system. On the other hand, when cooling liquid enters oil, its lubricating qualities are diminished, and a risk of engine seizure must be considered. Our suppliers feature in their offers 'plate&bar' cores with increased resistance to operating pressure. This enables us to regenerate also oil coolers.

We secure short realization time and, above all, high quality of products.

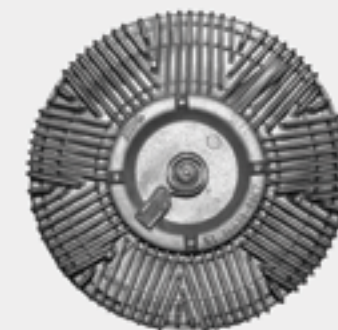
RECIRCULATORS

We are a sole company in Poland that regenerates recirculators, based on well-proven elements of the same qualities as OEM products. Besides the body, all other recirculator's elements are subjects of replacement.



VISCO FANS

We offer only new products for trucks. Our portfolio of products features viscous couplings alone, as well as sets with fans.



AIR CONDITIONING SYSTEMS

In the case of air conditioning systems the regeneration process is highly unprofitable and provides for only transient effects.

We boast considerable experience in this respect, thus we recommend only new air conditioning systems for trucks, supplied by proven manufacturers.



SILICONE CONNECTIONS

We are a dealer of silicone connections, especially for railroad transportation sector

However, a wide range of solutions provided by our business partner allows us to offer any solution – both standard, as well as customised. We offer a wide selection of solutions employing different types of silicones, diameters, etc.



SURGE TANKS

An integral element of liquid cooling system is a liquid surge tank.

Within the scope of our services we provide for selection and delivery of a dedicated surge tank for a given semi-trailer truck. Contact us, to learn about the solution we recommend. We secure short realization time and, above all, high quality of products.

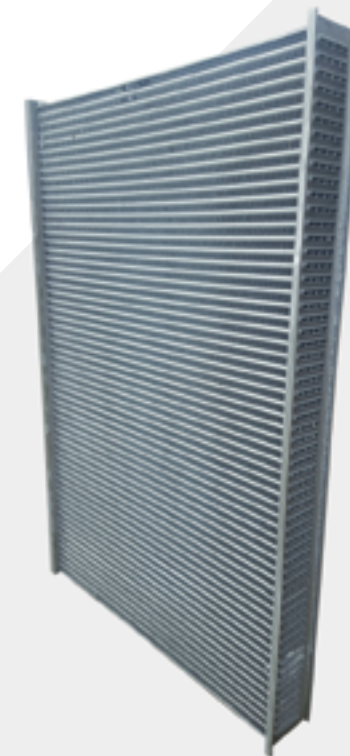
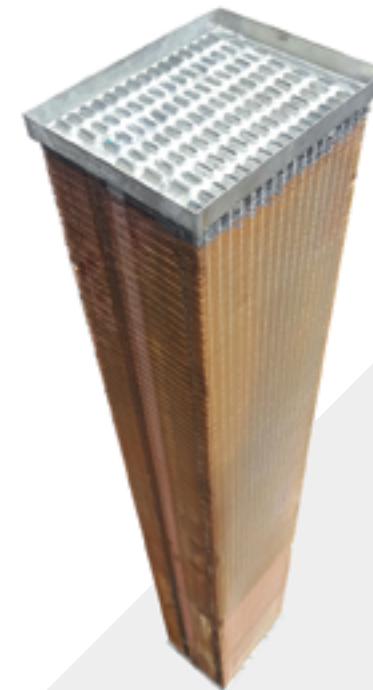


CORES

We are an official dealer of German core manufacturer, Haugg.

If you are regenerating coolers/radiators on your own, building non-standard coolers/radiators, looking for the possibilities and solutions customised for a new engine and in need of the right solution, then contact us.

We will help you in making the right choice. You may also visit our website www.vancooler.pl and in Cores tab select and quote just the core you need.



HAUGG



www.dpfsolution.pl

WE DEAL IN REGENERATION OF DPF FILTERS AND CATALYTIC CONVERTERS

For us, regeneration means a maximum restoration of device's efficiency, with retention of its basic parameters. Besides the qualities of restoring efficiency, regeneration brings also some measurable financial benefits.

Responding to the expectations of the market and striving in meeting client's demand, as well as caring for the natural environment, we have prepared an offer for individual clients, shipping companies, garages and specialist machinery owners and operators.

HOW DOES DPF FILTER WORKS?

DPF (diesel particulate filter), GPF (gasoline particulate filter) or FAP (from French – filtre à particules) is installed in exhaust systems of Diesel engines and serves the task of purify exhaust fumes of solids and soot.

The filter features spatial structure of a very large total area of walls. Soot particles sediment on porous walls or fibres made of metal, ceramic materials or special paper (only in the case of disposable filters). Efficiency of a correctly operating filter falls in the range of 85-100%, which means that no more than 15% of the original content of solid pollutants enters atmospheric air. To cut the story short – it 'cares' for the natural environment without adding to soot and particulate contamination.

REGENERATION PROCESS

1



Regeneration process starts with verification of filter – we simply check its physical condition.

2



We wash it on the outside and check its external mechanical condition.

3



We proceed to verification of the degree of clogging of the catalytic converter.

4



Depending on the degree of impurity, we select a programme and, above all, the duration of cleaning.

5



Afterwards, we test the filter for flow capacity, dry it and pack it.

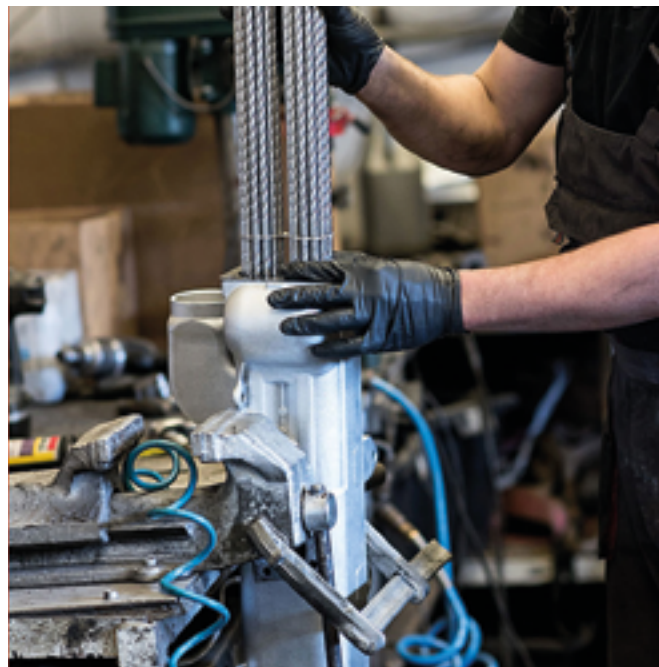
...and then we ship it to the client or prepare it for collecting on site.

We use an innovative method of regeneration, employing hydrodynamic devices.

- ✓ We do not intervene in filter's structure nor design (we do not cut it open, weld nor burn).
- ✓ The method is environment-friendly, as we use bio-degradable agents.
- ✓ The method does not require any modifications in vehicle's software.
- ✓ We restore original efficiency of the filter.

HOW DO WE WORK?

Every day, we strive to meet market's expectations and provide solutions that are expected of us.



VANCOOLER MAREK SZAPIŃSKI

ul. Dolina Zielona 9A, 65-154 Zielona Góra

Tax ID No. (NIP): PL9261156496

Phone/Fax: +48 68 324 85 85

biuro@vancooler.pl

www.vancooler.pl



Lithuania, Latvia, Estonia

KĘSTUTIS ALEKNAVICIUS
Kaunas, Lithuania

Phone/Fax: +370 699 66617

kestutis.aleknavicius@gmail.com



Western Europe

MICHAŁ CZARKOWSKI

Phone: +48 728 992 676

michal@vancooler.pl



Benelux: Netherlands, Belgium

ROLANDAS VOLKAVICIUS

Oss, Netherlands

Phone: +31 626 511146

rv@eurogravis.eu



1

Poland

JACEK GARCZYŃSKI

COMMERCIAL DIRECTOR

Phone: +48 606 123 736

jacek@vancooler.pl

GRZEGORZ PAWLAK

Phone: +48 600 045 224

grzegorz@vancooler.pl

KRZYSZTOF RĘKAS

Phone: +48 606 712 373

krzysztof@vancooler.pl

RYSZARD ŁASIŃSKI

Phone: +48 692 295 325

ryszard@vancooler.pl

2

3

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VANCOOLER
MAREK SZAPIŃSKI

ul. Dolina Zielona 9A,
65-154 Zielona Góra

Tax ID: 926-115-64-96
Phone +48 68 324 85 85

biuro@vancooler.pl