



Hengst
FILTER

FILTRATION SYSTEMS



For each type always
the right solution



The HELLA Hengst Alliance

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The HELLA Hengst Alliance

HELLA Hengst heralds an exciting new chapter for HELLA in the UK, as it becomes the first country within the HELLA group to introduce filtration, through a powerful alliance with leading original equipment (OEM) Hengst Filtration. Customers now have access to a complete range of more than 1,500 premium quality filters for 90,000 passenger car and light commercial vehicle cross-references.

The alliance is a union between two longstanding companies – HELLA established in 1899 and Hengst in 1958 – and like-minded businesses. Both are OEMs and system suppliers to the global automotive industry; both are acknowledged as award winning technological innovators; and both are renowned for their commitment to deliver the very best in terms of quality, availability and support to the independent aftermarket.

What this means for customers

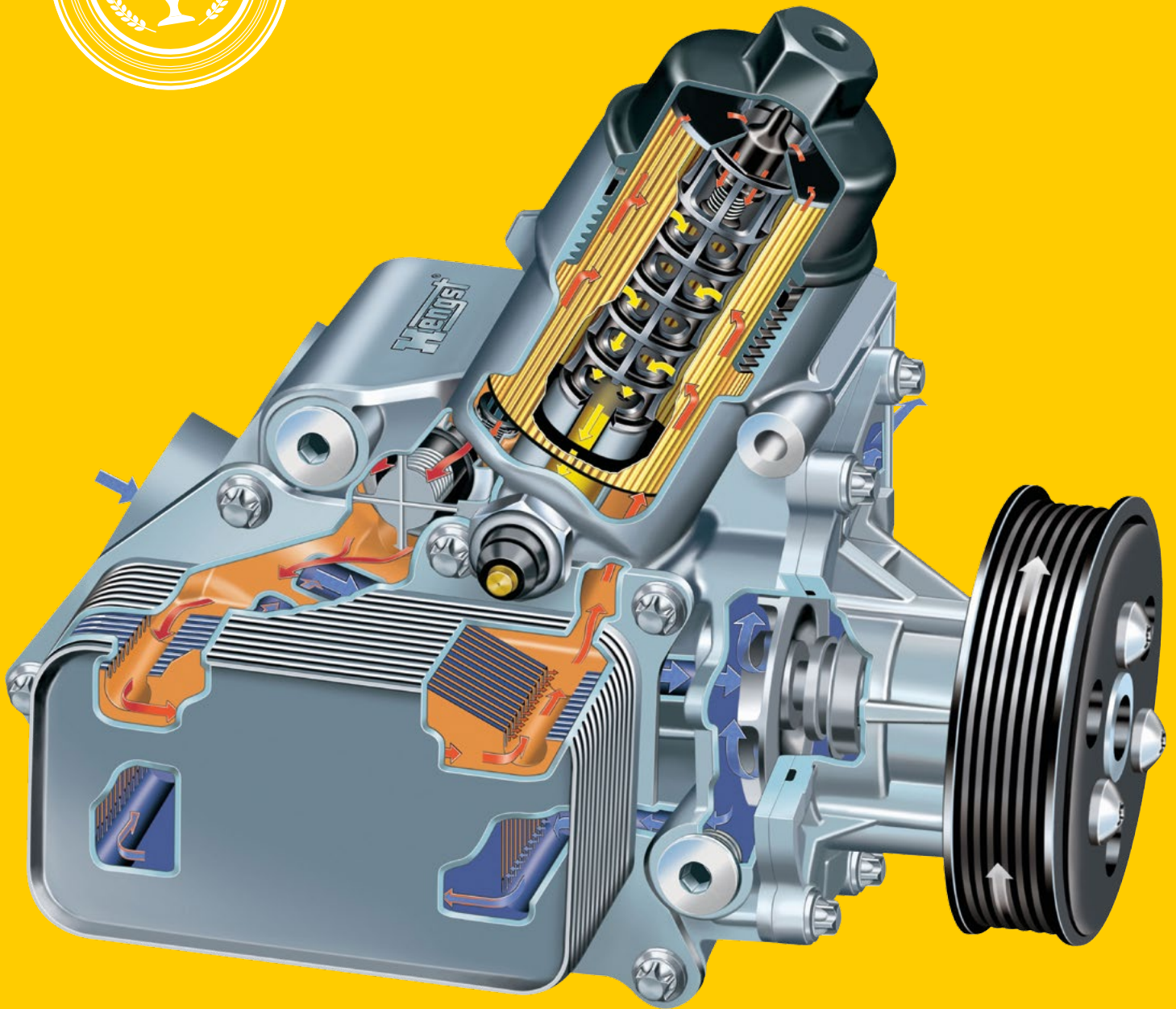
HELLA is now able to supply a broad programme of OE quality filtration products, which are backed up by its renowned organisational prowess, to guarantee outstanding sales and technical support for the independent aftermarket. This provides motor factors and their customers with an extensive filtration programme and excellent service, which will allow HELLA Hengst to become one of the relevant players in the filtration sector.

Hengst manufactures products of the highest quality and has numerous OE contracts, which means that HELLA can provide its customers with the reassurance that comes with a globally recognised OE brand and with a depth of range to satisfy their requirements. Allied to superb availability, logistical efficiencies and first-class customer service, HELLA is the ideal filtration partner.

This high level of combined competence naturally underpins the company's confidence in the HELLA Hengst brand, which is a perfect fit within the expanding HELLA product portfolio.



Fluid management module for passenger cars



- 2012 Special Award during the Aluminum Pressure Casting Competition
- 2013 Gold Supplier Status of GM
 - GM Supplier of the Year Award
 - GM Green Supplier Award
 - GM Supplier Quality Excellence Award
- 2014 Second place in the International Aluminum Pressure Casting Competition
 - Daimler Supplier Award
 - GM Supplier Quality Excellence Award
 - Daimler Prêmio Interação Award
- 2015 International Engel Award for Innovative Plastic Production

HELLA Hengst for the independent aftermarket

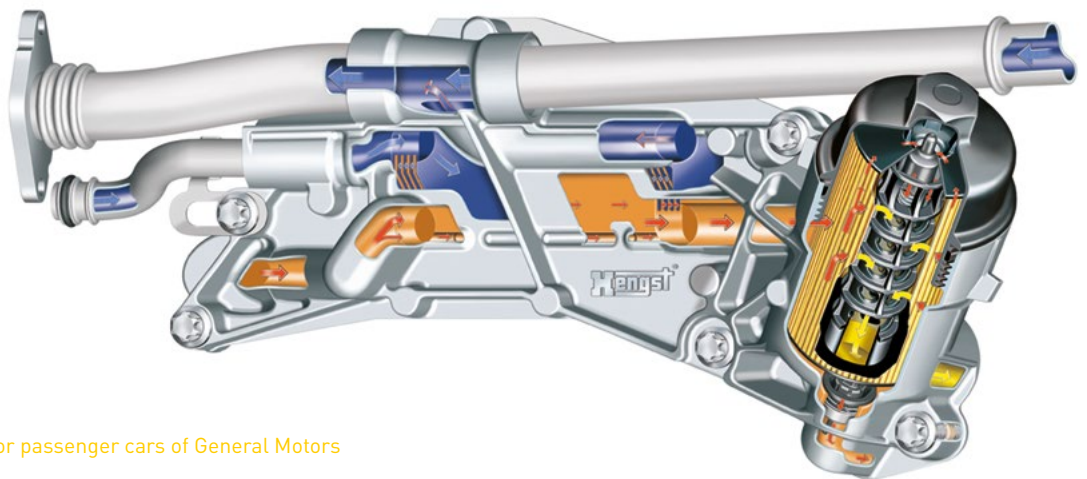
Working on tomorrow's technology today

Hengst - as a longstanding development partner and system supplier to the automotive industry, is trusted by all the prominent global vehicle manufacturers and is closely involved in the concept design for future vehicle generations. Hengst filtration and fluid management solutions excel, thanks to their high functional reliability, fitting accuracy and durability, as well as their outstanding price-performance ratio.

HELLA Hengst – first class aftermarket programme

Hengst's expertise in the OEM sector also guarantees the highest quality in its aftermarket range – with products that always correspond to the latest technical developments and tailored to the relevant vehicle. Precisely defined manufacturer specifications, combined with extensive checks, further ensure its performance. Filters developed for the OE industry are incorporated into the aftermarket programme, with no change in their construction.

When it comes to service, it pays to invest in spare part filters of premium quality: That means dealers and workshops can be sure of achieving the best possible filtration of air, oil or fuel. This forms the basis for optimum engine performance, a long service life and reliable operation.



Fluid management module for passenger cars of General Motors

Numerous certifications reflect the high quality standards behind the phrase “made by Hengst”:

ISO 9001: Internationally valid management system for assuring the quality and increasing customer satisfaction. **ISO/TS 16949:** Quality management in the automotive industry, containing ISO 9001 as well as additional and stricter requirements. **ISO 14001:** Internationally valid management system, with which environmental consequences are avoided or reduced and environmental protection is improved on a voluntary basis.



Oil Filters

Perfection pure and simple: HELLA Hengst oil filters effectively free the oil circulation of impurities and are especially sturdy, durable and service-friendly.



Modern combustion engines have to perform ever more efficiently and should therefore always be lubricated in the best possible way. Depending on the application, several hundred litres are pumped through the engine circulation system every minute in order to reduce the friction on the moving parts, and prevent the premature wear of pistons, con rods and other similar internal components. Besides the quality of the lubricant, it is essential for the oil filter to function reliably.

- Dirt, metal abrasions and other residues as small as 10 microns (0.01 mm) are reliably removed from the lubricating circuit
- The risk of damage and wear to engine components is significantly reduced
- Fuel consumption and emissions are reduced as a result of the oil being cleaner and the lubricant acting more effectively
- Only a high-quality oil filter can withstand temperatures of up to 160°C, while demonstrating a static pressure resistance of up to 20 bar
- With more than 120 different filter media, HELLA Hengst has the right solution for every application

Filter insert



As only the filter insert is replaced, Energetic® filter inserts can be changed easily and cleanly in just a few steps. Not only does this reduce the amount of waste that needs to be disposed of, it also benefits the environment.

Spin-on filter



In the oil spin-on filter, the filter element is located in a housing that is screwed onto the engine block by a threaded joint. The complete spin-on filter is replaced during servicing.



Your benefits at a glance:

- Optimum filter performance thanks to **high dirt absorption capacity**
- **Pressure and temperature resistance** in all operating situations
- **High-quality machining** and **precise welding** of the filter components ensure **perfect functioning**
- **Precise fitting** accuracy makes installation easier and guarantees functional reliability
- Damage and **wear to engine components** is significantly reduced
- **Pulsation resistance** under extreme operating pressures



Fuel Filters

Clean fuel is vital: HELLA Hengst fuel filters maintain the operational reliability of the engine and protect the injection system against impurities.



Injection systems for modern petrol and diesel engines respond sensitively even to the smallest impurities in the fuel. International association studies reveal that the recommended maximum of 24 mg/kg dirt particles in fuel, is often exceeded. Failure to replace the fuel filter at the vehicle manufacturer's specified intervals can cause the injection systems to become blocked, affecting the engine's operational reliability.

- Dirt particles are effectively removed due to filter media as fine as $\geq 2 \mu\text{m}$ (0.002 mm) which prevents them from entering into the injection system
- The filter separates water from the fuel in modern diesel injection systems in order to prevent corrosion damage in the injection system (e.g. high-pressure pump)
- Inadequately filtered fuel can lead to failure of the injection system
- The engine can achieve its optimum performance, while consumption and emission values are reduced as a result of finely filtered fuel

Filter insert



The housing remains fixed in the engine, only the Energetic® insert is replaced. That saves valuable time and reduces waste – a real plus when it comes to environmental protection.

Spin-on filter



The housing and filter element form a unit which is completely replaced during servicing.

In-line filter



In-line filters are available as screen or paper filters and are installed in the fuel line. Depending on the application, the filter housing is made of aluminium, sheet steel or plastic.

Your benefits at a glance:

- HELLA Hengst fuel filters can withstand pressure peaks of up to 15 bar as a result **of precise and high-quality machining**
- **Optimum filter performance** and the **highest level of purification** thanks to the use of state-of-the-art filter materials such as melt-blown media
- Significantly **longer replacement intervals**
- The **injection units** and the engine **are protected**
- **Insensitivity even to aggressive fuels** and high injection pressures





Air Filters

Let the engine breathe: Quality air filters from HELLA Hengst protect the engine and electronic components by purifying the intake air in a highly efficient and reliable way.



The air filter is by far the most important filter both in petrol and diesel engines. Depending on the power, a commercial vehicle engine sucks in up to 1500 m³ of air an hour with a particle content of up to 50 mg/m³. Quality filters permanently remove foreign particles from the intake air, thereby maintaining the engine performance. The air filter ensures an optimally metered fuel-air mixture, thus guaranteeing the best possible combustion.

- Modern quality filters achieve efficiencies of almost 100 percent, therefore ensuring effectiveness over the entire maintenance interval
- Thanks to the high pulsation stability, the filters prevent dust entering the engine even under dynamic engine conditions
- Particles in the air can accumulate on the air mass sensor without reliable filtration, thereby impairing performance and increasing wear
- Reduction of intake noise
- Reliable filtration ensures clean engine operation and extends the service life of the engine

Filter insert



The air filter forms the heart of the complete air intake system, whether as a round or plate air filter insert. The various designs sometimes have stabilisation beads or meshes.

Safety element



Safety elements are the solution when the operating conditions are especially dusty. The safety element provides protection against dirt particles when replacing the main air filter.

Screw-on filter



The air screw-on filter usually consists of a sheet steel housing with pressure-resistant screw-on plate, in which the filter insert is located. The entire system is replaced during servicing.



Your benefits at a glance:

- **Protection against engine wear** and **increased service life** thanks to efficient dirt separation
- **Precise fitment and stability** ensure **100-percent tightness** and permanent **functional reliability**
- **Flame-retardant filter media** prevent engine fires from flying sparks
- Special paper embossing ensures **maximum filter stability** and prevents the pleats from bundling



Cabin Air Filters

Pure air without exhaust gases, dust, pollen and other impurities:
Cabin air filters ensure healthy and hygienic air conditions in the vehicle.



It is strongly recommend that the cabin air filter is replaced at least once a year - or if the vehicle is driven extensively, twice a year - in order for the air-conditioning system to function correctly over the long term. Replacement not only ensures the air quality within the vehicle, it also protects the fresh air fan motor as the air stream can flow freely.

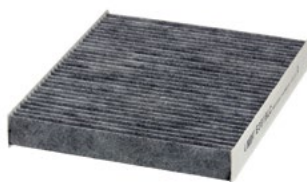
- Pollen, dust and other allergens, as well as unpleasant odours such as exhaust gases, are nearly 100 percent filtered out of the air
- Particles as small as 3 microns (0.003 mm) are effectively restrained
- The activated carbon layer works similar to a sponge and binds harmful gases within pores that are 10,000 times finer than a human hair
- Fine dust, harmful to health, inside the vehicle is reduced on a lasting basis

Non-carbon filter



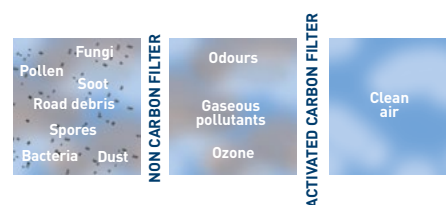
Spores, pollen and dust, as well as bacteria, fungi and road debris are effectively restrained. Particles are mechanically sifted out of the air flow in the close-fibre particle filter web.

Activated carbon filter



The filter also consists of an activated carbon granulate, held together by an upper and lower non-woven layer. Besides the particles, harmful gases such as nitrogen oxides, methane and ozone are bound in the activated carbon.

Mode of action



The non-carbon filter keeps all particles out of the interior air while the activated carbon filter also keeps out unpleasant odours and gaseous pollutants.



Your benefits at a glance:

- **Maximum efficiencies** for healthy air inside the vehicle
- **Uniform filtration performance** during the entire maintenance interval
- **Prevents the formation of condensation and a film of dirt** on the windscreen
- **Minimised exposure to odours**
- **Quick and easy installation** thanks to detailed installation instructions

Knowledge at a Glance

Quick and easy

24/7

Know-how on paper



Our **product information** always keeps you up-to-date – conveniently, easily and directly. Our partners are **continually informed of all new developments by email**, which they can also communicate to their customers.

Our **online catalogue**: Data updated daily, quick and easy to find and available around the clock – that **saves valuable work time** and provides the required information in next to no time. With its **sophisticated search functions, personal memo list** and user-friendly navigation you will no longer want to do without our online catalogue. And if you do not have Internet access for any particular reason, the **offline catalogue** available as a download with updating option will give you an overview of our spare part filter range.

Our **printed catalogue** presents the spare part filter range **in an attractive layout**. The catalogue is a valuable tool for service operators for all types of filtration and vehicle manufacturers.

Why HELLA Hengst?

AN ALLIANCE IN NUMBERS

+95%

UK parc coverage
covering 90,000 applications



90,000 sq.ft

UK warehousing facility
with 75+ UK staff



x4 UK Product Managers



1,500

part numbers for
PC & LCV

15 locations

in 9 countries

WORLD CLASS LOGISTICS



OE QUALITY PARTS

from an OE manufacturer



Fitting instructions
in every cabin air
filter box



FILTRATION
EXPERTS

FOR

60 YEARS



UK Business
Development
Managers



AVAILABLE NOW



24hr
DELIVERY



Advanced filtration solutions.
Pure perfection.

Contact customer service on 01295 662324
or email hella.hengst@hella.com
www.hella-hengst.com



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