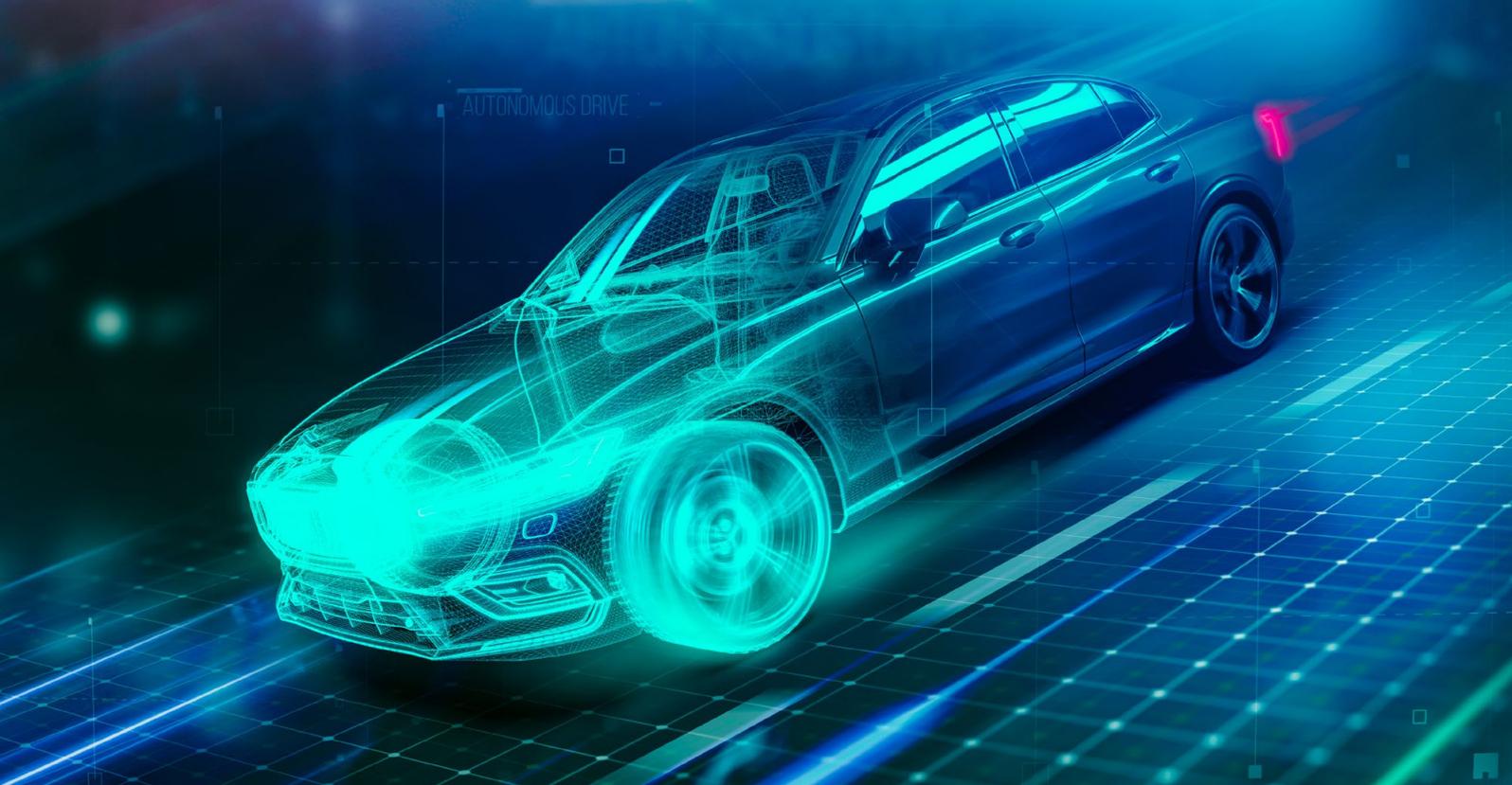


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TUNAP®
YEARS · SINCE 1974



TUNAP

Product Overview Automotive

The TUNAP GROUP is an international manufacturer of aerosols, lubricants and cleaners for industrial and technical applications.

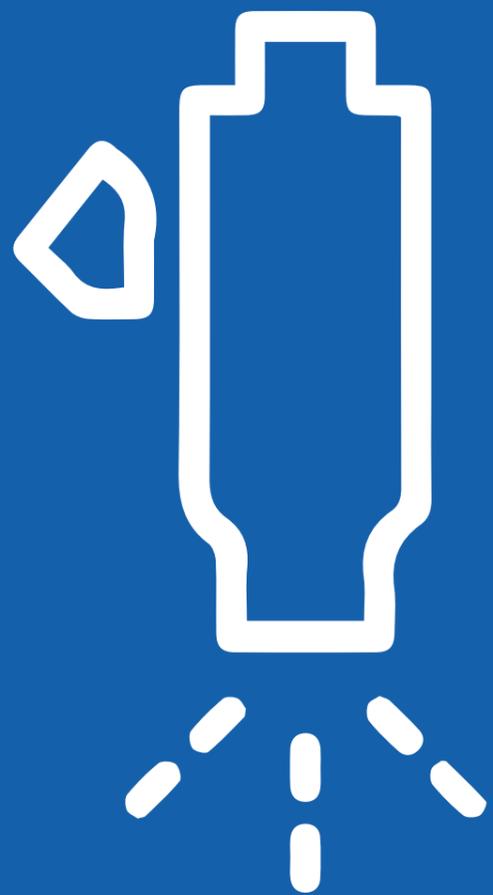
Research, development, production, and sales from one single source: TUNAP systems combine innovative chemicals with high levels of sustainability to deliver care and protection.

In the automotive sector, TUNAP is a service partner for vehicle manufacturers, car dealerships and workshops. The range includes chemical-technical products for both maintenance as well as for repairs and problem solvers for all areas of the vehicle. These include engine, brake, and bodywork maintenance, as well as air conditioning system, maintenance, and interior care.

TUNAP is a cooperation partner of all well-known automobile manufacturers.

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Content



Engine **Injectors and Fuel**



Combustion Chamber Cleaner

Removes fuel-related deposits from the combustion chamber and piston crown. The cleaning chemistry thus reduces the risk of engine damage due to Low Speed Pre-Ignition (LSPI).

P microflex® 978 | 200 ml



Injector Direct Cleaner

For removing and cleaning off fuel related deposits on the injectors.

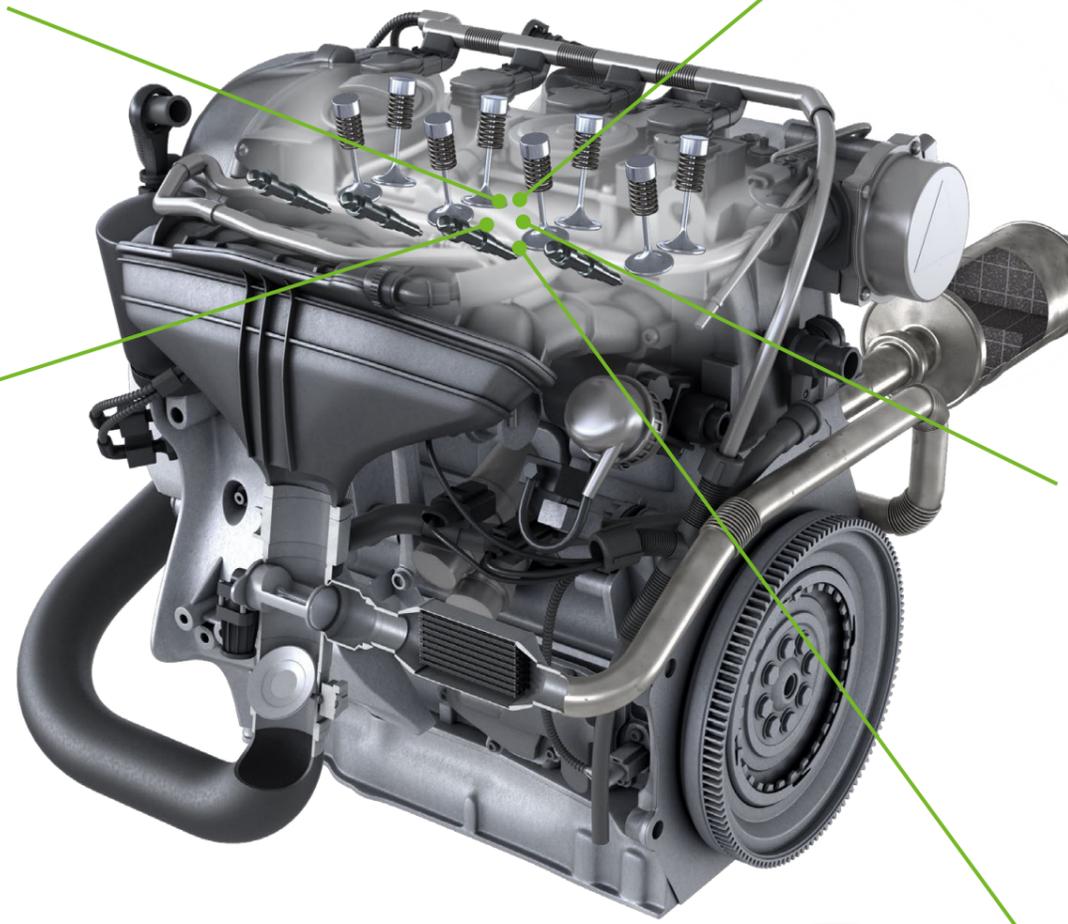
P microflex® 979 | 300 ml
D microflex® 989 | 300 ml



Injector Direct Protection

For the entire injection system to keep it clean during maintenance and protect it from new contamination.

P microflex® 974 | 200 ml
D microflex® 984 | 200 ml



Injector Intensive Cleaner

In case of malfunctions, high fuel consumption and pollutant emissions, to remove contamination that has accumulated over time – without removing the injectors.

P microflex® 937 | 500 ml
D microflex® 938 | 500 ml

For application with TUNAP 13310 Injecto Clean Machine ICM 2020



System Agent Hybrid

A specially developed system agent for all hybrid vehicles with gasoline engines to protect and clean the injectors. Stabilizes and protects the fuel during longer standing times typical of hybrid vehicles.

P microflex® 965 | 200 ml



PREVENTIVE CARE FOR CAR ENGINES

Perfect combination of protection and cleaning of the fuel and oil system to ensure perfect engine operation in the long term and extend the service life.



CLEANING THE INJECTION SYSTEM

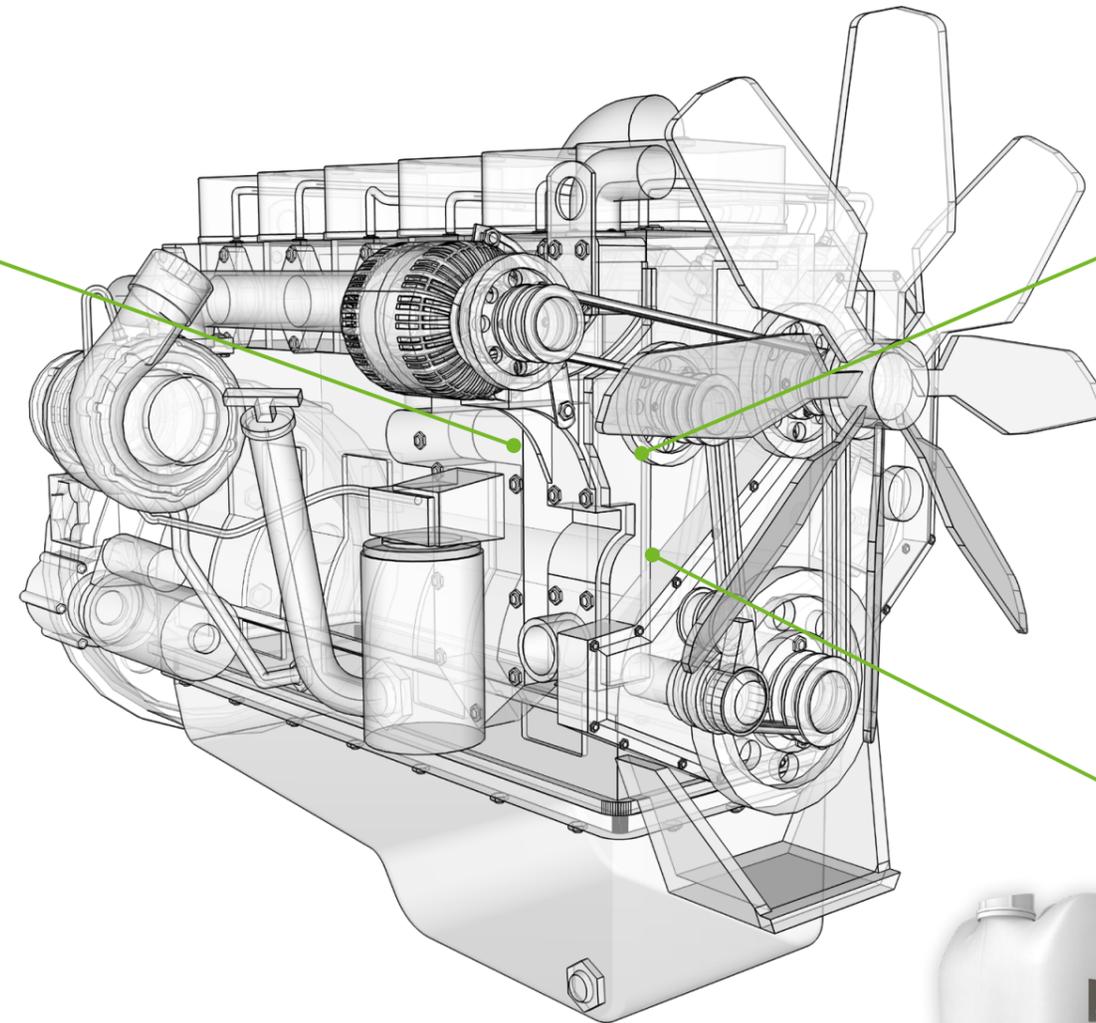
To restore the proper functioning of the injection system.



Injector Intensive Cleaner

To remove dirt that has accumulated over time, causing malfunctions, high fuel consumption and harmful emissions – without removing the injectors.

- ⓓ microflex® 938 | 5 l
- ⓓ canister adapter 938 5 l | 1353



Injector cleaning and protection

In combination to restore the proper functioning of the entire fuel injection system at a maintenance interval.

- ⓓ microflex® 984 | 500 ml
- ⓓ microflex® 989 | 950 ml



System Protection Fuel Guard

Prevents the spread of micro-organisms (such as bacteria, yeasts, mold and fungi).

- ⓓ microflex® 985 | 500 ml
- ⓓ microflex® 985 | 5 l



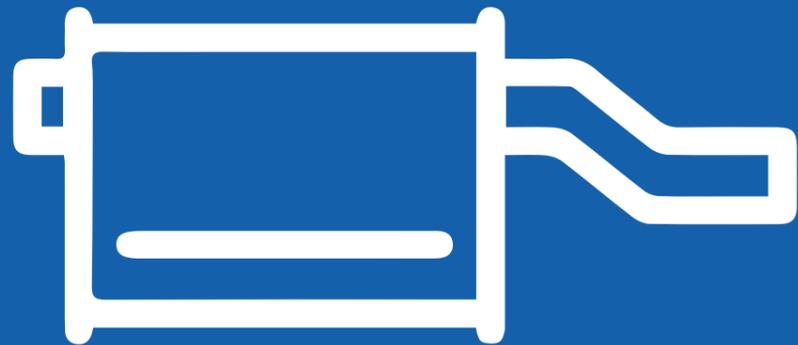
PROTECTION FOR TRUCK ENGINES

Perfect combination of protection and cleaning of the fuel and oil system to ensure perfect engine operation in the long term and extend the service life.

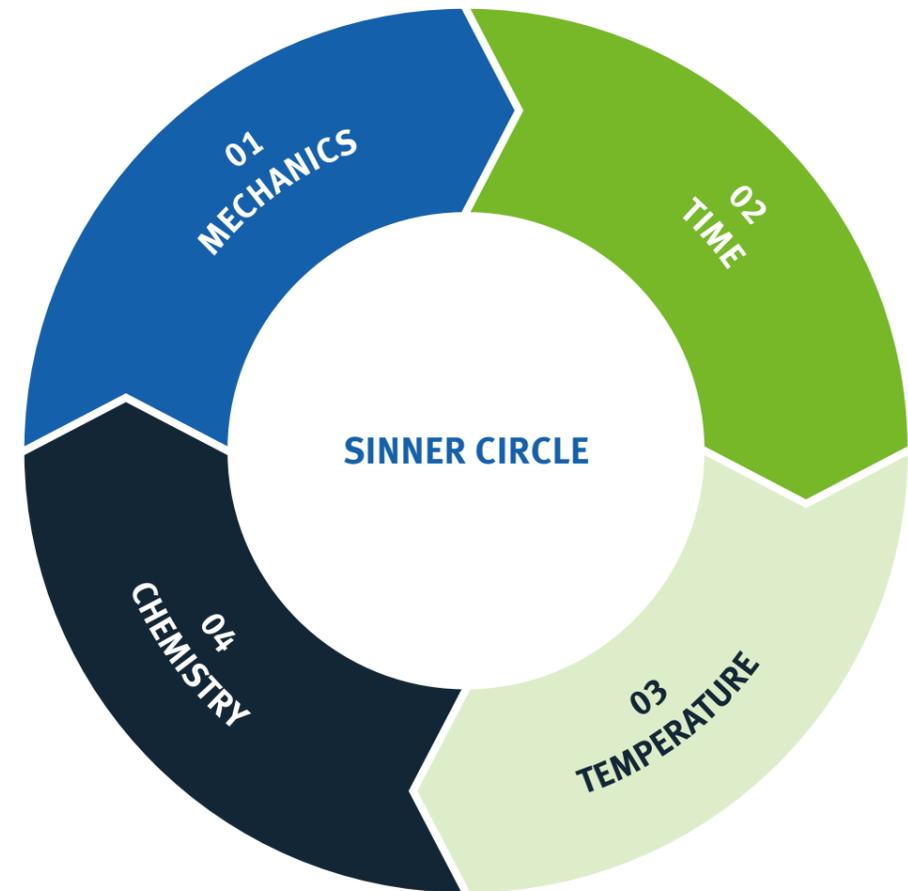


CLEANING THE INJECTION SYSTEM

To restore the proper functioning of the injection system.



4 factors for a perfect cleaning



The combination of the individual elements significantly influences the effect. By reducing one element, another must be increased in order to achieve the same effect.

Engine Exhaust and Intake System



Valve cleaning

Cleaning granulate for fast, effective and gentle cleaning of the inlet and outlet valves and the surrounding ducts. In addition, the neutralization solution removes residual particles reliably and quickly.



- ⓓ Ⓟ microflex® 933 | 1 l
- ⓓ Ⓟ microflex® 936 | 200 ml

For use with the 13400 Valve Clean System



System Agent SCR

For cleaning and protecting the SCR system.

- ⓓ microflex® 987 | 250 ml
- ⓓ microflex® 987 | 5 l



SCR Special Cleaner with probe

Removes crystalline deposits in hard to reach places in the SCR system.

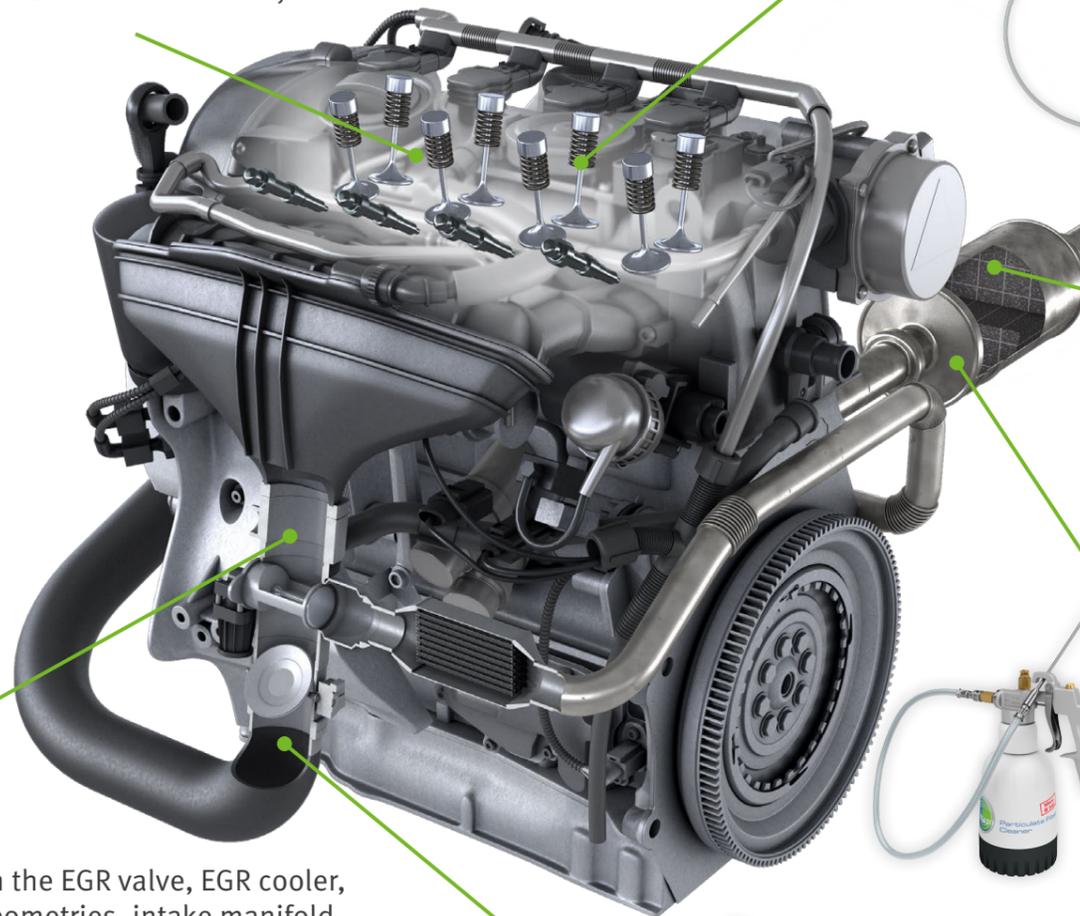
- ⓓ microflex® 923 | 300 ml



Valve cleaner with probe

Cleans the intake area, intake valves and combustion chambers of all gasoline engines with intake manifold injection while the engine is running and removes deposits of fuel.

- ⓓ Ⓟ Professional 133 | 400 ml as spray



Particle Filter System Agent

Reduces the burn-off temperature of the soot in the filter and thus extends the regeneration intervals – even under unfavorable driving conditions.

- ⓓ Professional 184 | 100 ml



Particle Filter Cleaning

For cleaning soot and ash deposits in the particulate filter.

- ⓓ Ⓟ microflex® 931 | 1l + 932 | 500 ml
- In application with the TUNAP 19330 particle filter pressure cup gun



EGR cleaning

Removes carbon deposits on the EGR valve, EGR cooler, turbocharger and variable geometries, intake manifold, injection nozzle and throttle valve.



- ⓓ Ⓟ microflex® 925 | 1 l
- In application with TUNAP 19310 EGR pressure cup gun
- ⓓ Ⓟ microflex® 926 | 200 ml as gel



Intake System Cleaner

For removing typical soiling and deposits in the intake and throttle valve area.

- Ⓟ Professional 138 | 400 ml



VALVE CLEANING

Due to direct injection, deposits and dirt are not flushed away by the gasoline, leading to a loss of power and higher fuel consumption. By cleaning the valves, the engine runs more smoothly, fuel consumption and emissions are reduced and the engine's performance is restored.



PARTICLE FILTER CLEANING

Contaminated injectors and/or EGR, low-quality fuels and frequent stop & go can clog the particulate filter. It is therefore necessary to carry out a safe and certified cleaning.

Air condition system cleaning process according to VDI/ZDK guideline 6032

The Association of German Engineers (VDI) and the German Association of the Motor Trade (ZDK) recommend cleaning the air conditioning evaporator and the area around the pollen filter every time the pollen filter is changed in their guideline 6032 – at least every 12 months.



The special **airco well**[®] cleaner for the pollen filter box removes all dirt before inserting a new pollen filter. The housing is wiped free of residue and dirt is removed by using the specially developed cleaning tool and a microfibre cloth soaked with cleaning chemicals. Alternatively, the cleaning aerosol can be spread in the pollen filter box using a spray probe and afterwards wiped out with a microfibre cloth.

The special **airco well**[®] cleaner for the air conditioning evaporator is sprayed directly onto the evaporator using a pressure cup gun and metal probe. Due to the high spray pressure, impurities on the entire evaporator are specifically flushed away and the biofilm formed by microorganisms is removed. The cause of unpleasant smells is eliminated directly at the point of origin.



Air Conditioning System Pollen Filter Box and Evaporator



Hygiene Cleaner Pollen Filter Box

To remove dirt from the pollen filter box before inserting a new pollen filter.

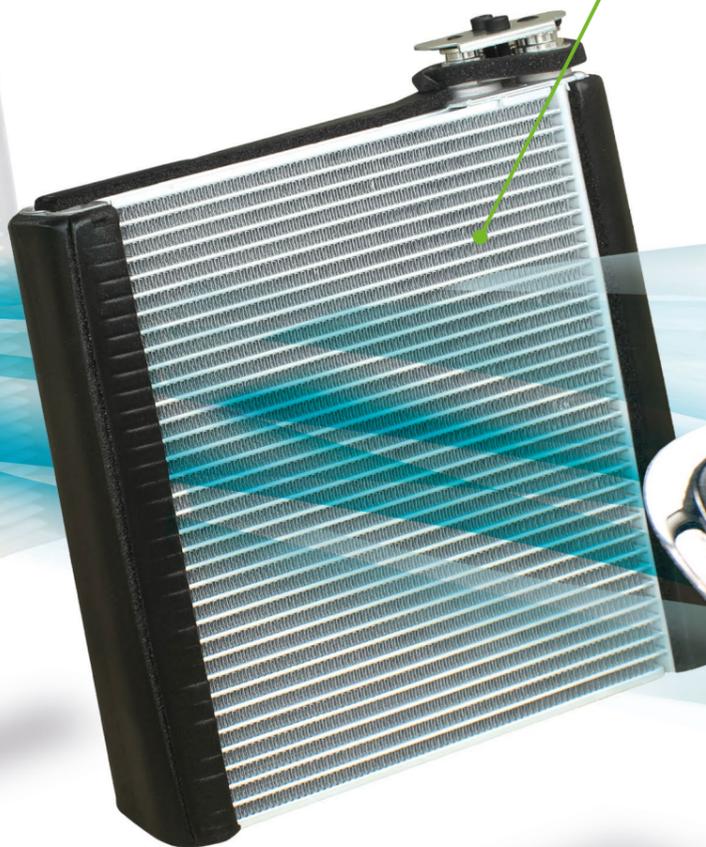
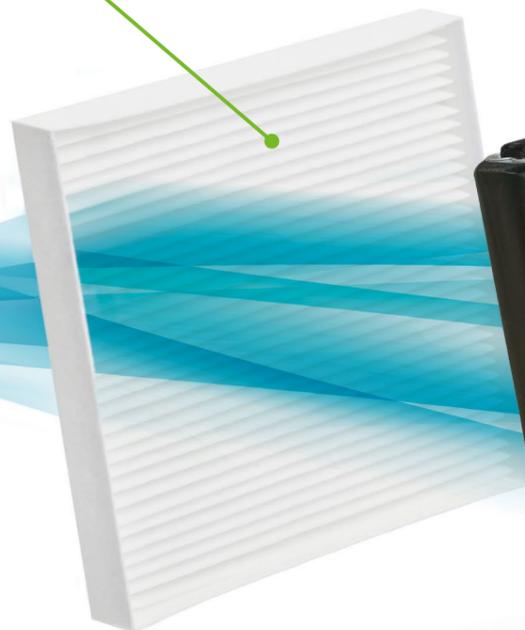
airco well® 996 | 75 ml
For use with 5819 probe

airco well® 998 | 50 ml
For use with 19050 pollen filter box cleaning tool

Hygiene Cleaner for Air Conditioning Evaporators

Removes harmful bacteria, pollen, invisible germs and fungi through the combination of cleaning chemistry and mechanics.

airco well® 994 | 1 l
For use with 19230 AC pressure cup gun

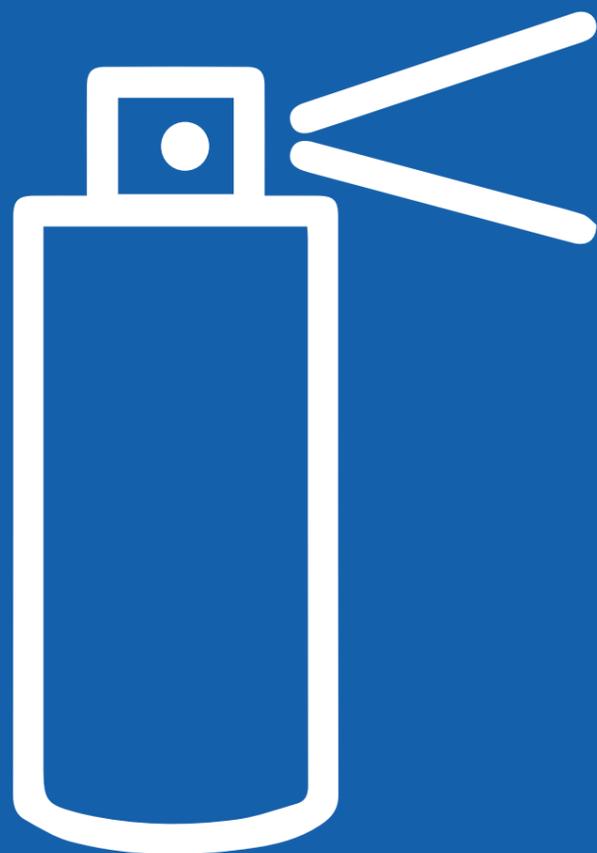


airco well® AIR CONDITIONING SYSTEM CLEANING PROCEDURE
The only air conditioning cleaning process in accordance with VDI/ZDK guideline 6032 that ensures healthy air in the car by cleaning the pollen filter environment and the evaporator.



ECARF: The cleaning process certified by the ECARF (European Centre for Allergy Research Foundation) contains no disinfectants, fragrances or dyes and is therefore particularly suitable for allergy sufferers.

TUV Thüringen: Certified increased air flow through the evaporator due to mechanical and chemical cleaning performance. Resulting in a increased performance of the air conditioning system and may reduce fuel consumption.



Maintenance Sprays



Odour Absorber

Effectively removes unpleasant odours from seats and the interior of the vehicle.

Professional 587 | 300 ml



Multi-Purpose Cleaner

Removes stubborn dirt such as rubber abrasion and adhesive residues as well as wax, oil and grease residues from plastic and metal surfaces.

Professional 124 | 500 ml



Anti-Marten Spray

Animals are kept away from the vehicle by the specific properties of the product.

TUNAP 398 | 250 ml



Special solvent

For loosening corroded and stuck vehicle components, e.g. injectors or rims on the wheel hub.

Professional 130 | 300 ml



Active Oil

Suitable for precision mechanisms, metal components and locking cylinders

Human Technology®
902 | 400 ml NSF

or
Professional 102 | 400 ml



Liquid Grease

For spring joints, hinges and sliding parts in general.

Human Technology® 901 | 400 ml NSF

or
Professional 101 | 400 ml



Penetrating Oil

For corroded and oxidized screw and plug connections.

Human Technology® 903 | 400 ml NSF

or
Professional 103 | 400 ml



Interior Care

For maintaining seat belts and eliminating squeaking noises in the interior.

Human Technology® 904 | 400 ml NSF

or
Professional 104 | 400 ml



Multifunctional Oil

Universally applicable multifunctional oil as lubricant, rust penetration, cleaner, corrosion protection and contact spray.

Professional 100 | 500 ml



Silicone Oil

For the care of all rubber and plastic parts all around the car.

Professional 105 | 400 ml



Silicone Grease

Ideal for sunroofs and sliding doors, as well as door rubbers and plastic guides in the interior.

Human Technology® 907 | 400 ml NSF

or
Professional 107 | 400 ml



Interior Cleaner

Suitable for glass, plastic and textile surfaces.

Human Technology® 909 | 500 ml NSF

or
Professional 109 | 500 ml



Adhesive Lubricant

Extremely adhesive lubricant, with very good water resistance, corrosion protection and creeping performance.

Human Technology® 921 | 400 ml NSF

or
Professional 121 | 400 ml



HUMAN TECHNOLOGY®

The n-hexane-free products in the Human Technology® range offer the best maintenance and lubrication quality for daily use in the workshop and at the same time meet the highest possible health standards for the protection of users and vehicle occupants.



NSF: Food-related certification that guarantees the health protection of vehicle occupants and users.

n-Hexan-free: These products from TUNAP do not contain n-hexane, which can have harmful effects on the nervous system.

Clean air in the car IN NO TIME AT ALL.

With the combination of cleaning chemistry and mechanics, **airco well®** removes all soiling from the entire air conditioning system according to the state of the art and thus fulfils the requirements of VDI/ZDK guideline 6032. **airco well®** eliminates the causes of microbial contamination – without disinfectants or fragrances.





Maintenance **Brake System**



Tyre Fitting Gel

For gentle installation of tyres on the rim. Facilitates the fitting of run-flat and low profile tyres.

Professional 120 | 400 ml



Tyre Foam

For cleaning, care and protection of the tyre sidewalls.

Professional 119 | 500 ml



Universal Cleaner

For degreasing brake and clutch components.

Human Technology® 915 | 500 ml NSF

Human Technology® 915 | 20 l NSF

Human Technology® 915 | 60 l NSF

or

Professional 115 | 500 ml

Professional 115 | 20 l

Professional 115 | 60 l



Brake Paste

For the entire brake, chassis and bodywork area to prevent friction, wear and corrosion.

Human Technology® 913 | 200 ml

or

Professional 113 | 400 ml



Brake Spray

For the complete brake system for lubricating and protecting against corrosion.

Professional 112 | 400 ml



Brake and Parts Cleaner

Cleaner for maintenance, repair and assembly work.

Professional 111 | 500 ml

Professional 111 | 20 l



Brake Protection

Prevention of corrosion on all components of the brake system.

Professional 114 | 400 ml



Leak Detector Compressed Air

For detecting leaks, micro-leaks and hair cracks in pressurized systems.

Professional 118 | 400 ml



HUMAN TECHNOLOGY®

The n-hexane-free products in the Human Technology® range offer the best maintenance and lubrication quality for daily use in the workshop and at the same time meet the highest possible health standards for the protection of users and vehicle occupants.



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n-Hexan-free: These products from TUNAP do not contain n-hexane, which can have harmful effects on the nervous system.



Maintenance and Care **Cooling System**



Cooling System Seal

For leaking head gaskets and hose connections as well as for hairline cracks in the radiator, cylinder head or engine block.

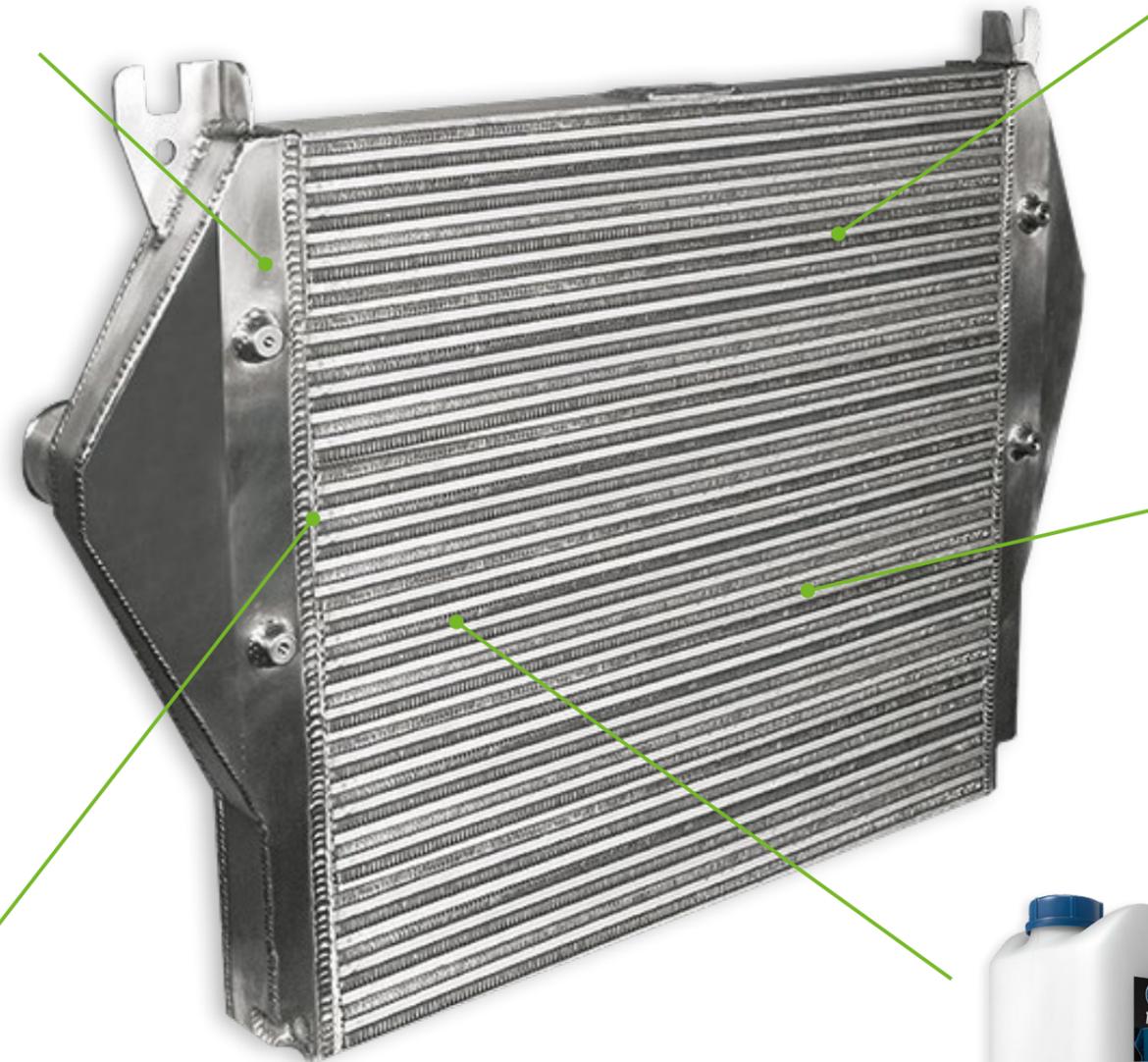
Professional 142 | 500 ml
Professional 142 | 1 l



Cooling System Agent

To protect the cooling and heating system from limescale deposits and rust.

Professional 144 | 500 ml
Professional 144 | 1 l



Cooling System Protection

Suitable against all types of micro-leaks.

Professional 145 | 500 ml



Intercooler Cleaner

For the effective removal of stubborn dirt caused by dust, oil, insects and other contaminants on roads and construction sites.

Professional 141 | 1 l
For use with the suitable 1800 high-pressure cleaner and combination probe.



Cooling System Cleaner

For dissolving and binding oily residues and removing sludge and corrosion deposits.

Professional 143 | 5 l
Professional 143 | 500 ml



COOLING SYSTEM CLEANING

Effective cleaning without disassembly the radiator core, restoring optimum fuel consumption and reducing pollutant emissions.



Electronic Grease

To protect against contact burn, wear and corrosion.

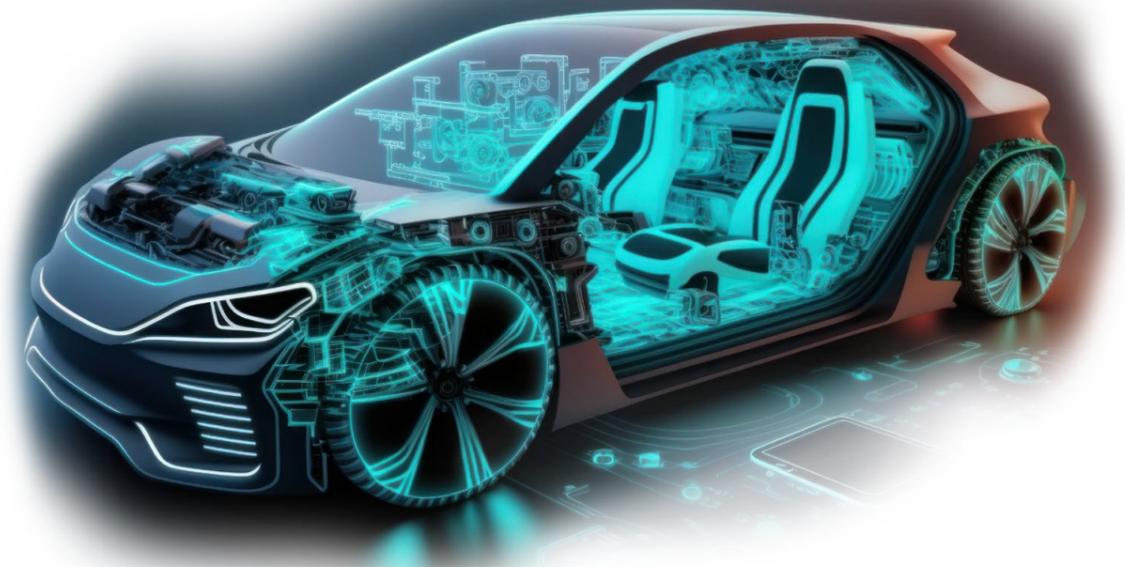
Professional 372 | 200 ml



Battery Pole Protective Lacquer

For battery terminals and poles to protect against acid and corrosion.

Professional 377 | 150 ml



Electronic Oil

To protect against contact burn, wear and corrosion.

Professional 373 | 200 ml



Contact Cleaner

For removing grease, oil and various contaminants from metallic contact surfaces.

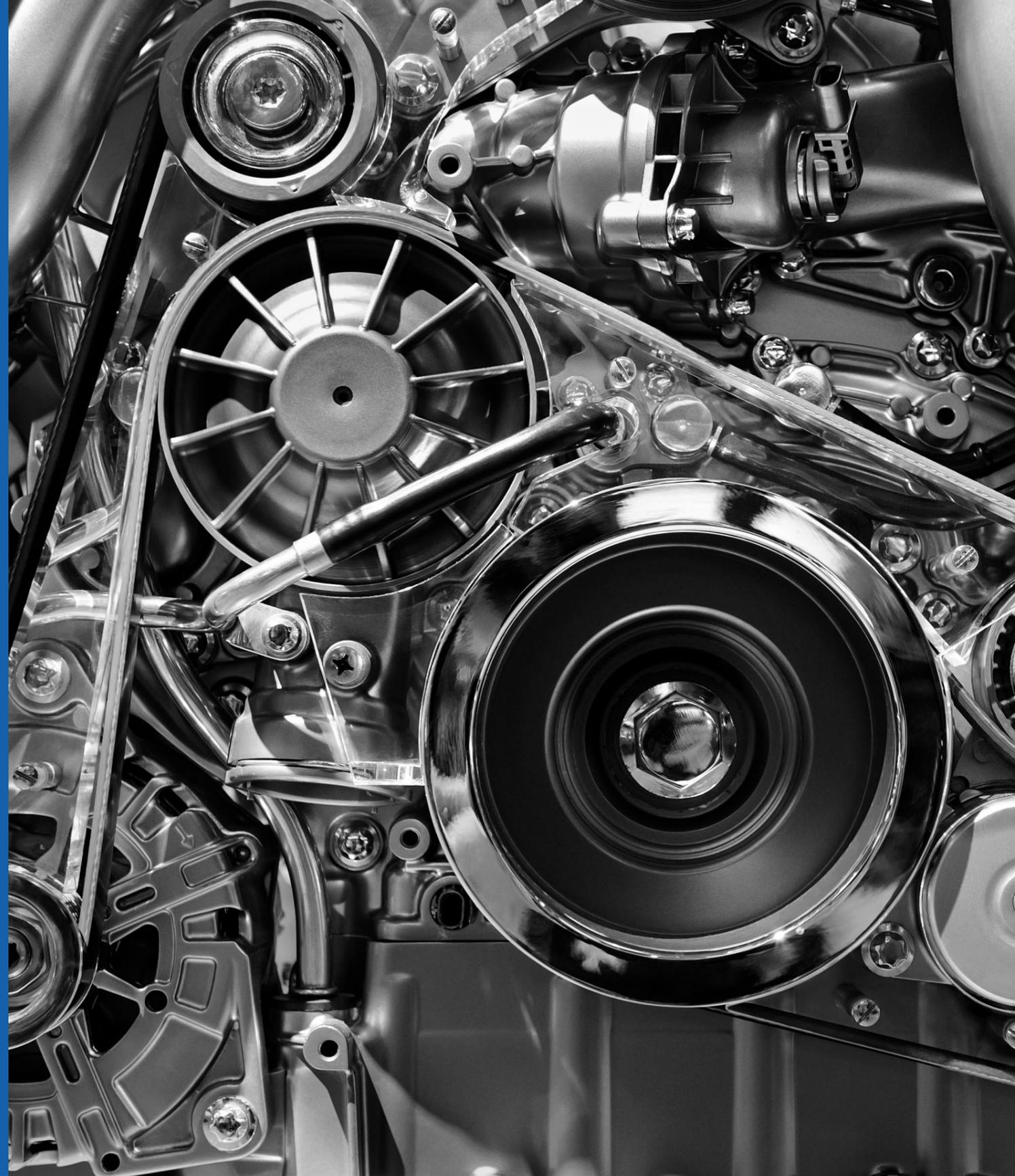
Professional 375 | 200 ml

Protection and Cleaning Vehicle Electrical System



ELECTRICAL SYSTEM

The electrical system of a vehicle contains precious and sensitive materials. Therefore TUNAP has developed special products for this area – without the use of mineral ingredients.



Engine Oil and Fuel System



Engine Interior Cleaner

For cleaning the engine during maintenance and oil changes. The cleaner protects the new engine oil from contamination by used oil residues.

microflex® 957 | 400 ml



Manual Gearbox System

Ensures smooth, damped running and precise shifting.

Professional 153 | 125 ml



Motor system

Refill concentrate to ensure full performance capability of all engine oils.

Professional 155 | 300 ml



Oil System Protection BN

Recover the surfaces of engine and gearbox components and thus compensates for increasing wear. Reduces noise and fuel consumption and improves the anti-corrosive performance of the oil.

microflex® 955 | 300 ml



Oil Stabilizer

To minimize wear and reduce oil consumption or leakage.

Professional 156 | 300 ml



Silicone Sealing

For sealing water pumps, oil pumps, oil pans and housing covers.

Professional 159 | 200 ml



CARE AND MAINTENANCE OF THE OIL AND FUEL SYSTEM

To ensure that the engine runs smoothly, achieves its maximum performance and wear is kept to a minimum, effective lubrication of all essential engine parts is necessary. For optimum oil effectiveness, it is important to remove coarse impurities and deposits of oil sludge before changing the oil.



Vehicle Exterior Windshield Cleaner



All Season Windscreen Cleaner

Windscreen cleaner concentrate with powerful cleaning formula and pleasant citrus fragrance (micrologic® 927) or without fragrance (Human Technology® 928) for reliably clean windshields. Prevents the washing system from freezing.

Human Technology® 928 | 1 l
 Human Technology® 928 | 30 l
 Human Technology® 928 | 200 l

micrologic® 927 | 1 l
 micrologic® 927 | 30 l
 micrologic® 927 | 60 l
 micrologic® 927 | 200 l



Summer Screen Wash concentrate

With the best cleaning performance without streaks and smears – even with insect dirt.

TUNAP 727 | 250 ml



ALWAYS A CLEAN WINDSHIELD

Safe driving also means always having a clean windshield to ensure perfect visibility even in unfavorable conditions.

TUNAP works.



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TUNAP is a cooperation partner of all well-known automobile manufacturers.

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is available at tunap.com

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