



CLEAN AND CARE SYSTEMS

Cleaning, maintenance and care products for vehicles und industry

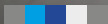
www.bluechem.de

Air Conditioning Service Healthy air in your vehicle:

Keep cool, do not sweat and maintain
your air condition regularly with
an air conditioning inspection



bluechem - chemical technical products



**Why should I
perform an air
conditioning
service?**



Today's air conditioners operate, particularly at high temperatures, continuously and at full capacity, leading to increased maintenance and care needs. Furthermore, the intensive use of air conditioning has an additional undesirable side effect.

Due to the constant heat, there is an increased formation of condensation, which means moisture and sometimes even drops of water accumulate in the entire system.

Among professionals, this side effect is already well known, which is why both the automotive industry and suppliers such as Waleo, Denso, Bosch, Thyssen Krupp intensively try to develop systems that solve this problem.



How does the air conditioner work?

One of the most important components of an air conditioner (see below) are the condenser and the evaporator in the vehicle interior, which usually sits in a custom-made plastic housing.

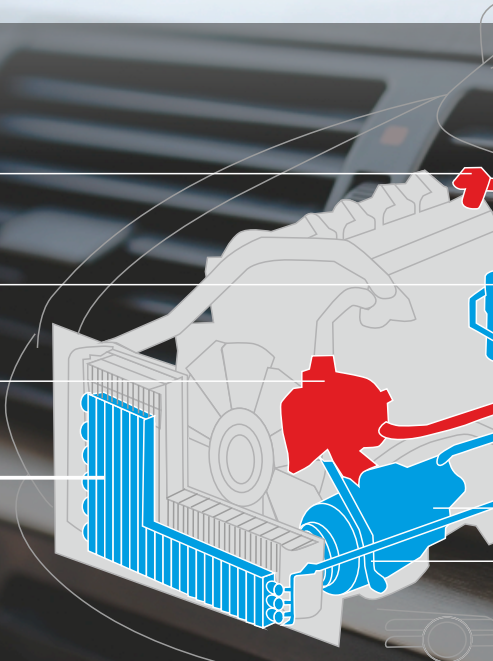
If the condenser is contaminated, for example by dust, sand or similar impurities, the cooling capacity of the entire system deteriorates.

Hot Water Valve

Accumulator

Water Pump

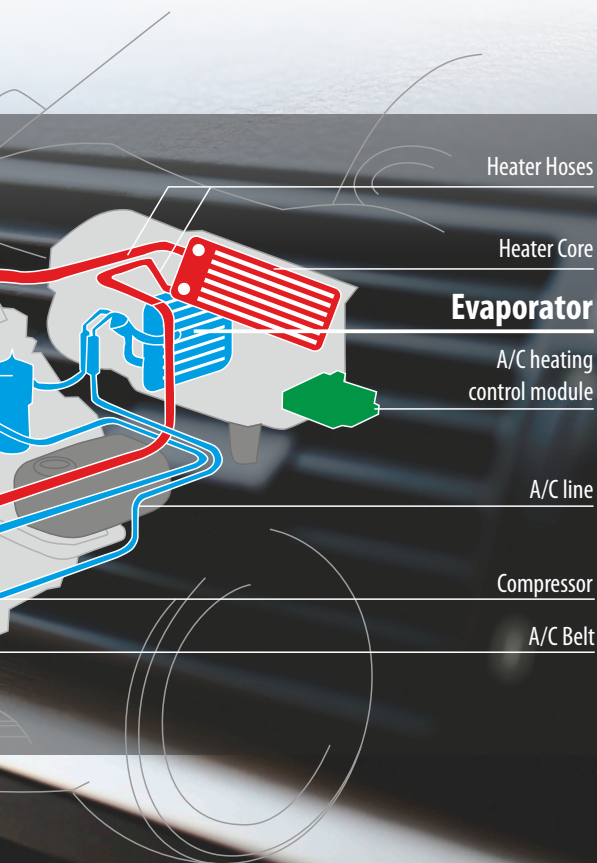
Condenser



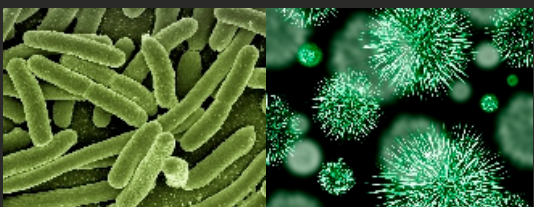
In this case, cleaning at regular intervals is recommended.

The condensation problem is found mainly in the evaporator – if it is hot in the vehicle and the system produces the desired temperature in the interior via the evaporator, cold and warm air come together and suddenly the condensation begins.

This phenomenon is good to observe by fluid retention, which forms under a vehicle. Here the condensation (the liquid) leads to the outside via an outlet, which sits on the housing of the evaporator.



What is the consequence of extreme stress of the air conditioner?



Even if you do not smell anything – Be careful of the invisible: Mold, bacteria and germs live in the air conditioning unit and are often accompanied by a foul smelling odor. Regular maintenance and disinfection of your air condition will help.



Have you ever needed to wrinkle your nose in your vehicle because it smelled unpleasant?

This is because the accumulation of condensation can not escape once it reaches a certain level which results directly in a breeding ground in the housing of the evaporator. Hot and cold air simultaneously creates a tropical climate with high humidity which creates optimal conditions for the emergence and spread of microorganisms and bacteria. The secretions of these microorganisms are as aggressive as acid and gradually destroy the whole system.

The unpleasant smell and uncomfortable feeling you experience in your vehicle is a direct result of this process as these fumes are inhaled by you and all passengers in your vehicle. In addition the power of the air conditioner drops significantly and the desired cooling effect, a pleasant indoor climate can no longer be produced.

Since bacterial growth can not be prevented, action must be taken to remove water retention as well as all microorganisms quickly and sustainably. If your air conditioning unit is not regularly maintained in this way, costly components will need to be replaced.



Our solution for a perfect climate in your vehicle!

To service your air
conditioning unit
we use the following
products:



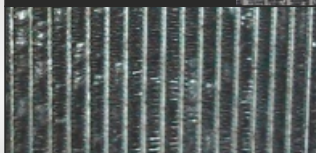
For keeping your air condition system clean...

Air Condition Foam Cleaner

effectively cleans the surfaces of the evaporator and condenser. Bacteria, mould, viruses, dirt and dust are removed leaving no residues. The protective film which remains on the air conditioning condenser guarantees long term clean air and optimal cooling performance.



Evaporator before cleaning



Evaporator after cleaning

It's that easy to disinfect your air conditioning ...

Air Condition Disinfectant

eliminates all bacteria and micro organisms from the ventilation ducts in the air conditioning unit and provides fresh and clean air. Respiratory diseases and allergic reactions can be prevented. For a pleasant feel-good atmosphere in your car.



For a fresh and pleasant odor in your passenger compartment ...

Klima Fresh Orange & Lemon Fragrance

The product provides a pleasant and fresh odor to the entire vehicle interior, such as upholstery, carpets and roof linings. Recommended to be used every 6 months.



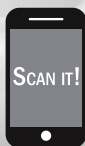
The benefits of air conditioning service:



- Healthy climate in the car
- Performance of the air conditioning system is restored
- 99.9 % of the micro-organisms are eliminated
- Air quality in the car is significantly improved
- Leading automobile manufacturers strongly recommend the use in the ventilation system and the air conditioning for health and hygiene
- Proven material compatibility
- No aggressive cleaning components

Ask specifically for a professional bluechem Air conditioning cleaning and disinfection and arrange an appointment today.

Scan QR code for
more information



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