

BRAKES

Coalescing cartridge

Renault Trucks offer

In the compressor, as the air is compressed, the lubricating oil degrades, releasing aggressive oxidized oil vapors mixed with discharged air.

These vapors could pass through the desiccant and migrate into the brake circuit, damaging the elastomer seals on the pneumatic valves. This would lead to circuit malfunction.

The coalescing cartridge overcomes this problem by filtering out oil vapors, oil, water and particles.

Renault Trucks recommends regular replacement of the coalescing cartridge, depending on use (see your maintenance plan), for optimum brake system maintenance.

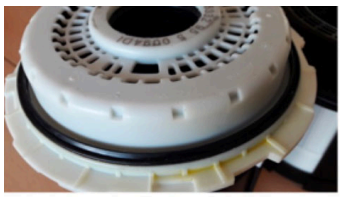
Key arguments

Easier assembly

- Seals adapted to the design of the desiccator.
- Renault Trucks specific tools to replace the cartridge.

It has been observed that the seals integrated in competing cartridges were sometimes different from the Renault Trucks seals.

The fitting tests of the adaptable cartridges showed that this one was much more difficult with an unsuitable seal. Renault Trucks has also developed a bayonet system which makes it easier to remove the cartridge to be replaced.

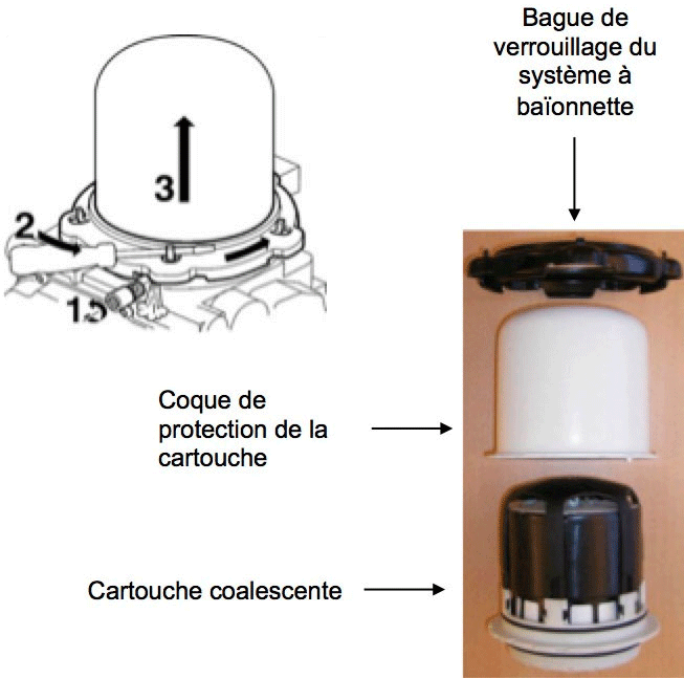


Pièce Genuine Renault Trucks



Pièce adaptable

Renault Trucks has also developed a bayonet system which makes it easier to remove the cartridge to be replaced.



The best protection of the braking system

- 90% of the oil retained (up to 3 times more than the competition).
- Scale-tight sieve.

Renault Trucks cartridges retain 90% of the oil compared to 30% for adaptable parts. The use of these will have a long-term impact on the longevity of other components in the brake system, with additional maintenance costs for the vehicle owner. For example, the replacement of the dryer or of an EBS valve costs more than 1,200 € when the cartridge represents a hundred euros.

The sieve integrated into the cartridge is composed of 2 layers. This helps retain carbon (burnt oil) which could damage the components of the brake system. On adaptable parts, this screen is often composed of a single thickness: the scale seal is less effective, and the risk of damaging other parts is greater.



The service in addition

- 2 years warranty.
- Start & Drive contracts for worry-free maintenance.
- Typical packages to offer turnkey solutions to customers.
- 24/7 service.

A wide range of services is available:

- Start & Drive contracts: efficient and tailor-made maintenance;
- the personalized and scalable maintenance plan: to plan the maintenance of your vehicle with confidence;
- maintenance packages: packaged interventions with a price fixed in advance for billing without surprises;
- 24/7: for permanent mobility.

Customer benefits

Serenity

- Activity is preserved and maintenance anticipated thanks to compliance with the maintenance plan.
- No unforeseen breakage thanks to the filtration of the scale.

Renault Trucks coalescing cartridges have their oil filter placed before the desiccant. This is not the case with some adaptable parts. If the oil filter is placed after the desiccant, the oil passes into the desiccant and saturates it faster. This reduces the life of the cartridge.

The sieve supplied with the cartridge protects the Air Production Modulator (APM) purge valve from scale (residual burnt oil). Without the strainer, the APM can fail, leaving the air supply to the reservoirs cut off.

On adaptable parts, this screen is often composed of a single thickness: the scale seal is less effective, the risk of damaging other parts is greater.



security

- Braking performance guaranteed even in winter

thanks to the absence of water in the circuit.

An adaptable coalescing cartridge sometimes contains up to 15% less desiccant than a Genuine Renault Trucks cartridge. It therefore saturates faster. The risk is that the cartridge will then allow more water to pass into the brake circuit. In winter, this water can freeze and prevent effective braking.

Don't compromise on safety!

Savings

- Replacing the cartridge follows the intervals of the defined maintenance plan.
- No breakdown of brake circuit components thanks to optimal filtration.

By filtering 90% of the oil (vs. 30% for certain adaptable parts), with 17% more desiccant, a suitable sieve and a relief valve, the Renault Trucks coalescing cartridge protects the other components of the brake system. It is then sufficient to carry out the recurring operations recommended in the personalized maintenance plan.