



# HEAVY FACTS

Genuine Volvo Parts

## Air drier cartridge

The APM2 (AIR PRODUCTION MODULATOR, generation 2) is the system used to treat, distribute and regulate the compressed air intended for the braking circuit and auxiliary equipment.



### FEATURES

- Casing made of robust steel plate
- Pollutants and the oil & water droplets are separated mechanically to make the air dry and clean
- The grains feature a porous structure, with microscopic recesses with an active surface of up to nearly 500,000 square metres
- Granulates are perfectly round
- One extra coalescing filter added
- Correct specification

### BENEFITS

- Stands up to tough conditions as pressure fluctuates between 0 and 12.5 bars
- Guarantees safe brake functions, good suspension comfort and an overall reliable compressed air supply
- Very efficient capture of particles and water.
- Absorption capacity up to 150 g of water
- Oil particle and moisture removal
- Fulfills the requested service life

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## Technical description

**The Cartridge:** It retains water, captures oil particles and any aerosols, and protects the whole of the air system.

**The Sieve:** It protects the APM against contamination of the air system and in particular the unloader valve, which is located upstream of the cartridge.

**The Silencer:** It reduces the air system noise level, in order to comply with legal requirements.

## The difference

Quality assured according to Volvo Standard.

The APM2 system enables Volvo Trucks to be among the best in the truck industry with regards to air management during contract period.

## Extensive testing

Volvo Trucks runs extensive testing of the APM2, tested together with the rest of the system.

The testing includes installation on different field test trucks all over the world, from dusty mining environments, to city distribution or long haulage trucks and complete ambient temperature range from dry & cold to wet & warm.

## Service

Service and repair operations can be found in Impact, group 561. Volvo Trucks recommends changing the cartridge in accordance with the message displayed on the instrument panel, but at least once a year.

The sieve and the silencer must also be changed at the same time as the cartridge.

**The Cartridge:** If the cartridge is not changed, the oil filter can become saturated (system contamination) and allow water & oil to flow through. This can lead to braking faults and vehicle breakdown.

**The Sieve:** There is a risk of contamination and/or damage to the APM2 if the strainer is not changed or if it breaks due to incorrect use. If the APM2 unloader valve is not protected, this can cause a vehicle breakdown.

**The Silencer:** If the silencer is not changed, it becomes clogged and there is a risk of ejection and/or hose explosion, resulting in a noise level which is above the legal requirements. A partially clogged silencer can disrupt cartridge regeneration and have a detrimental effect on the operation of the APM2.

## Recommended parts

PN: 22223804 (Kit cartridge + sieve)

PN: 22223806 (Kit cartridge + sieve + silencer)

# VOLVO

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