

Why should you choose Innovation - DPF Cleaning Machine

Comparison Analysis between the different methods of cleaning DPF filters and Innovation - DPF Cleaning Machine

	Innovation - DPF Cleaning Machine	Cleaning through roasting	Air cleaning	Ultrasonic cleaning	With fuel additives	Removal of the DPF filter
D e s c r i p t i o n	Innovation - DPF Cleaning Machine uses an organic cleaning fluid and an automatic program to clean and dry the filter, ensuring 99% removal of deposits.	The filter casing is opened and placed in a furnace and heated to about 600 degrees Celsius until the deposits are burned. The casing is then closed and welded.	Air cleaning relies on blowing the deposits out of the filter through high pressure.	The filter is immersed in an ultrasonic bath with water. The ultrasound forms micro-bubbles at high temperature and high pressure of over 10 bars. Balloon microexplosions cause the filter deposits to peel off.	Chemical additives are added to the vehicle tank and increase the temperature of the exhaust system in order to burn the deposits and take them out through the exhaust pipe.	Mechanical removal of the filter. It is done by cutting a hole in the filter housing and crushing the core. Afterwards, service centers often deliver these particles to secondary raw materials because of the precious metals in them. The filter casing is closed, welded and placed back into the exhaust system. A service technician then connects through the vehicle's OBD port and deactivates the sensor functions.
D u r a t i o n	from 30 minutes to 120 minutes. The time will depend on the level of contamination.	8 to 12 hours Air cleaning: 90 minutes Roasting in a furnace: from 8 to 24 hours	From 30 min. to over 1 hour depending on the level of clogging	12 to 24 hours ultrasonic cleaning; drying; blowing with air;	Until a full fuel tank is spent	It varies from 3 hours to 1 day.
I n v e s t m e n t	Machine Innovation - DPF Cleaning Machine is a universal device in one that performs the entire cleaning process automatically without cutting or roasting the filter in a furnace.	Machine Back pressure tester. Specialized compressor furnace.	Machine Compressor; Adapters for servicing different filters.	Machine Ultrasonic bath compressor.	Additive prices vary according to efficiency, brand or quantity from BGN 20 to over BGN 200 per bottle.	Machine Machines 3: metal cutting machine, welding machine, computer with illegal software.
P r o s a n d c o n s	Pros: It retains the integrity of the filter and the exhaust system Fast, cost-effective and reliable cleaning It does not require cutting of the casing or changing the vehicle ECU It does not require any additional specialized equipment It uses a biodegradable cleaning preparation The most efficient cleaning of DPF/FAP filters and catalysts.	Cons: It impairs the integrity of the filter when cutting and welding Risk of damage to precious metals at high temperature Risk of thermal shock and rupture of the ceramic core during rapid heating Risk of rust on welds from heat and moisture during operation	Cons: The principle of operation is the same as the exhaust pipe - removes only superficial deposits It does not work with completely clogged filters It does not remove greases from the filter It cannot reach the ends of the filter in a more complicated form of the casing	Cons: Uneven cleaning of filters with complex shapes Low efficiency of greasy filters. Risk of breakage of the ceramic core at cleaning vibrations and explosions of water balloons High water consumption in total immersion of the filter Not suitable for filters of large sizes as well as for trucks.	Cons: It operates by raising the temperature, which can cause problems in the EGR valve and/or the turbine. With a greased filter it can cause additional clogging. Efficiency is directly dependent on fuel quality, the level of clogging, the engine operating cycles.	Cons: It requires cutting and welding on the casing; a prerequisite for rust forming on the weld in time It requires change of codes in vehicle ECU to deactivate oxygen and pressure sensors The warranty of the vehicle is violated. It is illegal. The vehicle will be taken off the road. The vehicle releases black smoke at acceleration When visiting an official service center, the software modification may be removed and the vehicle entering the emergency mode.