

WAGNER Diesel Winter Antifreeze

Flow improver protecting diesel fuels and domestic fuel oils from paraffin precipitations due to cold.

Applications

According to DIN 51601, summer diesel must keep its fluidity up to 0° Celsius, winter diesel up to - 15° Celsius. At the petrol station, however, there exists a further tolerance, which means that winter diesel begins gelling already at - 12° Celsius. The so-called pour point of domestic fuel oil even is only at - 6° Celsius.

At lower temperatures, there is the risk of paraffin precipitations. As soon as paraffin crystals block filters or pipes, heat is the only remedy. Paraffin crystals cannot be dissolved any more chemically. Therefore, it is better and cheaper to mix WAGNER Diesel Winter Antifreeze to your tankful early enough.

WAGNER Diesel Winter Antifreeze can be mixed with all diesel fuels and domestic fuel oils available on the market.

It can be used for both classic and modern systems like:

Diesel motors with turbo chargers like TD and TDI, turbo chargers, intercoolers, prechamber systems, Common Rail, ATI-Intercooler, EDC (Electronic Diesel Control), direct injection, Turbo-Compound, pump-injector, Unit Injector, PPN (pump-pipe nozzle system), UPS (Unit Pump System), high-pressure pump distributor, UIS (Unit Injector System), diesel catalytic converter, particle filter, AGR, SCR, EGR up to the most modern Bosch Piezo-Inline injectors.

Advantages

- does NOT affect the system, but optimises the fuel itself
- stimulates the combustibility of oil and fuel
- combusts without leaving any residues
- does not modify the viscosity of oils and fuels

Technical Data WAGNER Diesel Winter Antifreeze

Property	Test method	Test result	Unit
Form		liquid	
Colour		blue	
Boiling point/boiling range		140-310	°C
Ignition temperature		> 200	°C
Explosion limits (Vol.%)			
lower		0.6	Vol.%
upper		7.0	Vol.%
Density (15 °C)		0.85 – 0.95	g/cm ³
Viscosity kinematic (40 °C)		< 7	mm ² /s

WAGNER Diesel Winter Antifreeze

Application & Dosing

WAGNER Diesel Winter Antifreeze can be mixed with all diesel fuels and domestic fuel oils available on the market. For a better mixing, it is recommendable to fill the necessary quantity of WAGNER Diesel Winter Antifreeze before refuelling. The minimum temperature of the fuel or the heating oil must be 5°C to ensure a successful mixing of the flow improver which should be of the same or a higher temperature. After refuelling, leave the heating, the machine or the engine running until the flow improver reaches the filters and the pump.

Please note:

If the temperature is lower than 5°C, the flow improver gets thick which does not harm its quality. You only have to warm it up in a heated room until it is fluid again.

Mixing ratio cold properties

Summer diesel or Heating Oil ultra-light	Winter diesel
1:1000 ca. -10°C	1:1000 ca. -25°C
1: 500 ca. -18°C	1: 500 ca. -28°C
1: 333 ca. -23°C	1: 333 ca. -31°C
1: 250 ca. -25°C	

Limit cases

If the temperatures are not according to the above application instructions given and if a mixture is necessary, then fill the tank up to half, fill in the flow improver and then full the tank to the brim.

Packaging

Available Container	Content	Item No.
Plastic bottle	1 l	044001
Plastic can	5 l	044005
Plastic can	20 l	044020

The information of this datasheet is made to the best of our knowledge and advises only a technically certified user on possible applications. WAGNER Speziälschmierstoffe is not liable for any property damage incurred as a result of improper use, mishandling, and or any use outside the prescribed method of use, purpose, or application. Any and all warranty and or damage claims will be subject to investigation on the use, method of application, and intent of application of the used product.