

ENVIROSONIC

Ultrasonic Cleaning Liquid (Concentrate)

Effectiveness of ultrasonic cleaning is frequently related to the efficiency of cleaning liquid, especially with regard to heavily polluted and hard-to-reach areas of the engine system components such as fuel and lube oil filters, cylinder cover, valves etc. A multipurpose cleaning liquid ENVIROSONIC designed by Martechnic® is a water-based, biodegradable and therefore environmentally friendly product which helps to intensify the cleaning effect of ultrasonic waves. At the same-time the application of the cleaning liquid to various engine parts is gentle and safe. The product provides rust and tarnishing protection and can be used to clean all metals.



Benefits:

- Biodegradable, environmentally friendly cleaning liquid
- Made out of renewable resources
- Easy to rinse with water
- Intensifies the cleaning effect
- Cost-effective ultrasonic cleaning
- Protection against new contamination on the surface of the objects cleaned

Before starting the cleaning process, the ENVIROSONIC has to be diluted with water in the ratio 1:5 or 1:10. After that the cleaning solution is filled into the ULTRASONIC CLEANING TANK and heated up to the optimal temperature of 60°C. The selected engines parts can then be immersed in the tank and left for about 30 minutes for ultrasonic cleaning. The cleaning is achieved through high-frequency ultrasound waves generated by piezoelectric SUBMERSIBLE TRANSDUCER in connection with the ULTRASONIC GENERATOR. When the ultrasound waves enter the cleaning solution, they create cavitation bubbles which implode against the surface of items releasing mechanical energy in the cleaning solution. This results in the so-called “push-pull” effect on the surface of the equipment to be cleaned. After the items are taken out of the cleaning solution, they have to be dried out well before being mounted again. Prior to refilling the cleaning tank, the cleaning liquid has to be purged of gas.