

Product group: 651      Product number: 764452

Unitor™ Air Cooler Cleaner™ is a powerful solvent emulsion cleaner for the cleaning of diesel engine air coolers, scavenging air systems and compressor sides of turbochargers.



Product information

This product supersedes product no: 571588

Unitor™ Air Cooler Cleaner™ is a powerful solvent emulsion cleaner for the cleaning of diesel engine air coolers, scavenging air systems and compressor sides of turbochargers. It leaves no residue nor harm the engines, and can be used for in-service cleaning.

Features

- Formulated to remove oil, grease and carbon deposits from air coolers and scavenging systems
- May be used for in-service cleaning
- Product in water solution is non-flammable, non-explosive and has no flash point
- Can be used for light carbon removal from machinery parts

Benefits

- Efficient and economical
- Renders surfaces oil-repellent
- Maintains and stabilises air cooler efficiency at maximum
- Saves time, maintenance costs and avoids risks of damage when dismantling
- Leaves no residue and has no harmful effect on engine

Specification

General

Invent Hazard Material (IMO/IU) classification	C-49
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Physical properties

Appearance	Light yellow
Density [g/ml]	0,8
Flash Point [°C]	Above 61
Form	Liquid

Technical data

Not Compatible	May swell rubber and synthetic rubber
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Documents

[SDoC and MD for IHM](#)

Directions for use

Dosing ratios:

**In-service cleaning** - the general principle is to inject a solution of Unitor™ Air Cooler Cleaner™ into the air trunking upstream of the charge air cooler, followed by a clean water rinse. For efficient cleaning of air coolers, it is necessary to use correctly installed dosing and injection equipment. To calculate the amount of solution required to clean an air cooler, calculate or find the cross-sectional area of the cooler and use 3 litres of cleaning solution per square metre or as table below:

Engine HP	Solution mix. with 25% Air Cooler Cleaner
6,000 to 12,000	3 litre mix
12,000 to 24,000	4.5 litre mix
24,000 or more	6 litre mix

For in-service cleaning of the air cooler and air-side of turbochargers, a solution of 25% Unitor™ Air Cooler Cleaner™ in freshwater is recommended.

The appropriate dose of cleaner is then put in the dosing pot and injected up-stream of the air cooler in 10 minutes. After a further 10 minutes, a similar quantity of fresh water is injected to rinse off the emulsified deposits.

Rate and frequency of application depends mainly on the condition of the air coolers. However, when starting with the use of Unitor™ Air Cooler Cleaner™, we recommend injection every 24 hours. After initial cleaning period, the cleaning effect should last for 48 hours of operational time. Although frequency of cleaning may vary, the calculated cleaning dose should remain the same.

This cleaning method is only recommended if approved by engine manufacturers.

Out of service cleaning

**Handspray Cleaning** - in this situation the engine must be stopped.

Open an appropriate air trunking inspection cover.

Open air cooler drain valves.

Using a pressure handspray, apply undiluted Unitor™ Air Cooler Cleaner™ all over the cooler coils. Allow the Unitor™ Air Cooler Cleaner™ to penetrate the deposits for a minimum of 1 hour, then use a high pressure lance or water jet to wash off the loosened deposits.

After satisfactory cleaning, and flushing through with fresh water, close air cooler drains.

**Soak Method** - this method may be used for machine parts with stubborn carbon deposits. Put parts to be cleaned into a bath of undiluted Unitor™ Air Cooler Cleaner™ and allow deposits to be broken down and loosened before removal, then rinse.

The engine manufacturer should be consulted before installing injectors.

Large engines will normally require two injectors per cooler, but one injector is usually sufficient for medium and small engines.

**Related products**

**Is frequently bought together with**

**765018**  
ENVIROCLEAN 25 LTR

**571752**  
NATURAL HANDCLEANER 4X5 LTR

**571687**  
DISCLEAN 25 LTR

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