Cool-Shot Ultra

even for ELECTRIC VEHICLE

Additive to maintain or restore the efficiency of AC/R Systems

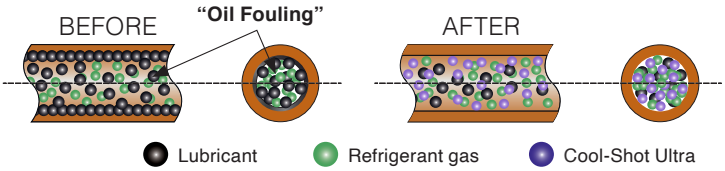
Product Description

COOL-SHOT ULTRA is a synthetic catalyst to maintain or restore the efficiency of all AC/R Systems, avoiding the formation of “Oil Fouling” if used in new systems or eliminating this phenomenon if inserted in already working ones.

Oil Fouling Problem

It is well known that inside an AC/R system, together with the refrigerant gas, circulate also compressor lubricating oil fractions (from 1 to 8%) which tend to deposit on the internal walls of evaporator and condenser pipes reducing:

- the heat exchange between the refrigerant gas and the pipes
- the diameter of the pipes
- the lubricating capacity of the oil
- the volume of lubricant in the compressor
- the system efficiency of about 30% (Ashrae data)



COOL-SHOT ULTRA is composed of two synthetic catalysts and a lubricating agent. If used in a preventive manner it prevents the oil from settling on the walls of the system. If used in a resolutive manner instead, it removes the oil that has settled on the walls of the system during the years of use, it solubilizes it and brings it again to the compressor.

Features

- It increases the efficiency of the compressor lubricant.
- It extends the life of the compressor.
- It reduces friction inside the compressor by reducing vibration and noise.
- It significantly reduces compressor noise.
- It reduces system maintenance costs.
- It reduces CO_2 emissions.
- It doesn't cause chemical changes to the compressor lubricant.
- It doesn't alter the refrigerant gas.
- Its action is permanent over time.
- It doesn't damage the compressor.
- It is compatible with all refrigerant gases, including CO_2, excluding R717 (ammonia).
- It is compatible with any kind of Air Conditioning or Refrigeration systems (Vehicle A/C or AC/R).
- It is visible to any UV Lamp.

Benefits for use in new AC/R Systems

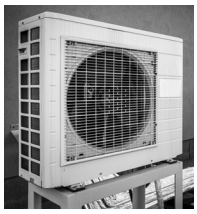
- It avoids the formation of the "Oil Fouling" phenomenon.
- It maintains the initial performance of the systems.

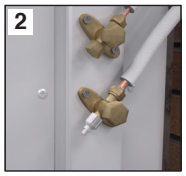
Benefits for use in working AC/R Systems

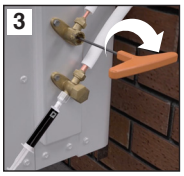
- It eliminates the “Oil Fouling” phenomenon by restoring the initial performance of the system.
- It restores the heat exchange of the refrigeration lines.
- It reduces the energy consumption of the system.

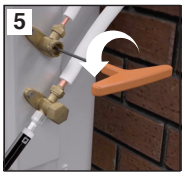
Application for Air Conditioning and Refrigeration Systems

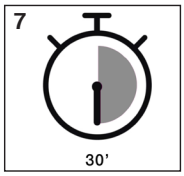
1. Turn the air conditioner on and set the temperature to minimum.
2. Locate the air conditioner charging port and connect the adapter.
3. Connect the cartridge to the adapter and close the suction valve (pump down).
4. Inject COOL-SHOT ULTRA into the system.
5. Re-open the suction valve.
6. Disconnect the cartridge from the external unit.
7. Keep the air conditioner on for at least 30 minutes.











Doses for Air Conditioning and Refrigeration Systems

The 6ml (0.20 fl oz) cartridge is an optimal dose for systems up to 21 KW - 72000BTU/h - 6 TONS.

Optimal dilution in the Compressor Oil

The 6ml (0.20 fl oz) cartridge is the optimal dose up to 700ml of Compressor Oil.

Maximum Dilution Allowed in the Compressor Oil

The maximum permitted dilution is 1:125 (1 part of COOL-SHOT ULTRA every 125 parts of Compressor Oil).

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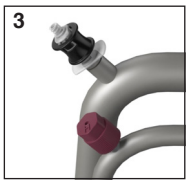
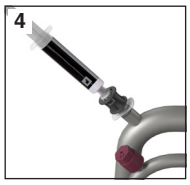
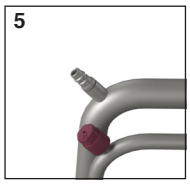
errecom® AIR CONDITIONING & REFRIGERATION CHEMICAL SOLUTIONS

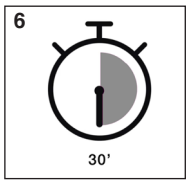
Application for Vehicle A/C Systems

1. Start the engine of the vehicle.
2. Turn the air conditioner on and set the temperature to minimum.
3. Locate the low-pressure charging port of the A/C system and connect the adapter.
4. Connect the cartridge to the adapter and inject COOL-SHOT ULTRA into the system.
5. Disconnect the cartridge from the system.
6. Keep the A/C system on for at least 30 minutes.







Doses for Vehicle A/C Systems

The 6ml (0.20 fl oz) cartridge is a universal dose for any vehicle.
The 6ml (0.20 fl oz) cartridge must be used entirely, regardless of the amount of refrigerant gas contained in the vehicle A/C system.

Adapters for the injection of additives in AC/R Systems


ADATTATORE FLEX HOSE
(included)

Flexible adapter that facilitates the injection of the additive inside the system when the charging port is difficult to reach. (always included).

Adapters for Air Conditioning and Refrigeration Systems


1/4 SAE

The adapter with black O-ring, 1/4 SAE thread and security system to prevent refrigerant gas leaks, to be connected to the low-pressure charging port of the Air Conditioning and Refrigeration system.


5/16 SAE

The adapter with green O-ring, 5/16 SAE thread and security system to prevent refrigerant gas leaks, to be connected to the low-pressure charging port of the Air conditioning and Refrigeration systems working with R410a or R32 refrigerant gas.

Adapters for Vehicle A/C Systems


R134a

Black adapter with quick coupler and security system to prevent refrigerant gas leaks, to be connected to the low pressure charging port of the vehicle A/C system operating with R134a refrigerant gas.


R1234yf

Green adapter with quick coupler and security system to prevent refrigerant gas leaks, to be connected to the low pressure charging port of the vehicle A/C system operating with R1234yf refrigerant gas.

Packaging

6ml (0.20 fl oz) cartridge in a carton box
Counter display with 30 carton boxes

6ml (0.20 fl oz)
Cartridge in plastic
clamshell packaging

Art.-Nr.		**	Description	**		Art.-Nr.
TR1170.AL.01.S2	30	5400	Cartridge without adapters	1120	20	TR1170.AL.01
TR1170.AL.H1.S2	30	5400	Cartridge with adapter for vehicle A/C system with R134a	1120	20	TR1170.AL.H1
TR1170.AL.H7.S2	30	5400	Cartridge with adapter for vehicle A/C system with R1234yf	1120	20	TR1170.AL.H7
TR1170.AL.H2.S2	30	5400	Cartridge with adapters for vehicle A/C systems with R134a + R1234yf	1120	20	TR1170.AL.H2
TR1170.AL.H4.S2	30	5400	Cartridge with 1/4 SAE adapter for AC/R system	1120	20	TR1170.AL.H4
TR1170.AL.H8.S2	30	5400	Cartridge with 1/4 SAE adapter for AC/R system	1120	20	TR1170.AL.H8
TR1170.AL.H3.S2	30	5400	Cartridge with 1/4 SAE and 5/16 SAE adapters for AC/R system	1120	20	TR1170.AL.H3
TR1170.AL.H6.S2	30	5400	Cartridge with adapters 1/4 SAE + 5/16 SAE + R134a + R1234yf	1120	20	TR1170.AL.H6

The cartridges, adapters and clamshells are completely plastic, recyclable 100%.
The carton boxes and counter displays are made of cardboard, recyclable 100%.

Hazard warnings

Hazard warnings absent.

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