

# COIL PROTECTION KIT

## PRODUCT INFORMATION & APPLICATION INSTRUCTIONS



This kit should only be used on small condensers. The maximum total surface of a condenser coil that can be treated with a Coil Protection Kit is 0,75 m<sup>2</sup>. The condenser coil should not be thicker than 2 rows.

### Disassembly:

For an optimal anti-corrosion treatment it is advisable to disassemble the casing of the unit.

### Preparing for treatment:

Use either plastic, paper or cardboard and the provided tape to protect the casing, piping, ventilator, compressor and electrical wiring. If C-Blue is spilled, stains should be removed immediately using C-Clean. Use safety goggles while processing. Remove all dust and other particles using a soft brush, vacuum cleaner or high-pressure air (direction: from air outlet to air inlet), no more than 2-4 bar.

### Using C-Clean:

C-Clean is a universal degreasing agent that is free of chlorinated solvents, with a fast and powerful effect. C-Clean is sprayed into the coil. If accessible both sides should be cleaned. Spraying steps as follows:

1. Start at the top - left. The nozzle maximum 5 cm (2 inches) from the coil.
2. Push the trigger; move from left to right at a speed of approx. 15-20 cm a second. Position of tip: straight to the coil. Spray between the tubes. Increase the speed to approx. 25-cm a second for a 1-row coil.
3. At the end move one row down and repeat the same procedure. Do this until the bottom is reached.
4. For the outlet side repeat step 2 and 3. After degreasing allow 10 minutes drying time.

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### Using C-Blue, inlet side:

C-Blue is a special preservative developed particularly for aluminum heat exchangers. C-Blue is sprayed into the coil. Spraying steps as follows:

1. Start at the top - left. Keep the nozzle at a maximum of 2-cm (0,8 inch) from the coil, to accomplish a penetrating layer.
2. Squeeze the trigger, move from left to right at a speed of approximately 15-cm a second, position tip: perpendicular to the coil.  
Spray between the tubes. Increase the speed to approx. 25-cm a second for a 1-row coil.
3. At the end move one row down and repeat the same procedure. Do this until the bottom is reached.
4. When drips of liquid paint clog in between the fins, accelerate the speed. The clogging can be removed by using compressed air or nitrogen, maximum pressure 3-4 bar.
5. As a finishing layer sweep the can (approximately 10cm from the coil) horizontally across the surface to get an equal coverage.

### Using C-Blue, outlet side:

As a finishing layer sweep the can (approximately 10cm from the coil) horizontally across the surface to get an equal coverage.

- As finishing layer, wave the can approximately 10 cm from the coil to get an equal coverage.

### Finish:

After the treatment, remove the protective tape and coverage and reassemble the casing. Allow the unit to dry for 2 hours at approximately 20 °C before switching it on.

### Maintenance:

Pressure drop caused by dust and dirt in between the fins will now be the main cause of a decrease in performance of the air-conditioning unit. To keep the unit in good working condition, the following maintenance is advised:

1. Remove all dust and other particles with a soft brush, vacuum cleaner or high-pressure air (direction: from out- to inlet), no more then 2-4 bar. If the coating is not damaged, no further maintenance is required.
2. If the coating is damaged, for instance by mechanical impact, use C-Clean to clean the surface.
3. After degreasing treat the coil with C-Blue as described.