

MAINTENANCE INSTRUCTION

1. Filter change
2. Heating and cooling part
3. Heat recovery
4. Humidifier part
5. Fan part
6. Emptying the inlet air chamber
7. Cleaning the condensate drain

The machine must be stopped during maintenance!

1. FILTER CHANGE

FILTER PART SP/SL, long/short

Filters with a length of 165 mm are suitable for the short filtration section (construction dimension L = 250mm). Degree of separation is coarse 60% (G4) coarse filter.

The long filter section (construction size 700 mm) is suitable for filters with a length of max. 655 mm Degree of separation is ePM10 60% (M5), ePM1 60% (F7) or ePM1 85%

(F9) fine filter.

The filter pack contains one or more filters of the same or different size, see the numbers in the attached table.

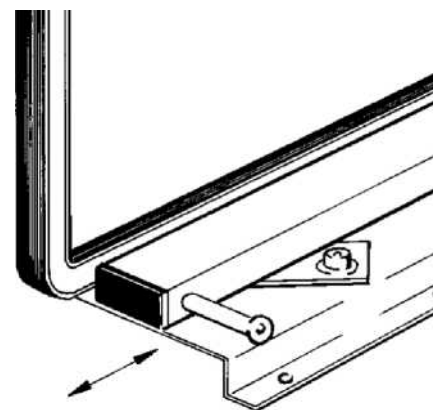
CHANGE

When the pressure gauge shows a 1.75-fold pressure drop compared to the initial pressure drop, it is advisable to replace the filters.

Stop the machine and open the maintenance hatch (see the image). Pull the filter set (s) free from the handle pins. Detach the filters one by one. Check that the filter part sealings are intact.

Note: No seals need to be glued to the filters. Tighten the filter set by pushing the handle pins to the rear position. Some filter parts have filter cells of different sizes. Note the position of the vertical seal in the filter section.

Wear a respirator, do not dust unnecessarily. Place dirty filters in garbage bags and order new kits immediately so they are available when needed. When necessary, clean the machine by vacuuming inside.



2. HEATING AND COOLING PART

2.1 Water heating

Maintenance of the heating section should be carried out in autumn before the heating season. For maintenance, it is sufficient to clean the heat transfer surfaces when necessary. Cleaning with liquids when the battery is in place in the machine should be avoided when possible.

Any air that has accumulated in the pipe circuits in the heating section is removed by carefully opening the bleed screw at the top of the manifold until the air is removed. If the need for venting occurs continuously, it is advisable to check the tightness of the system with a pressure test. Continuous addition of fluid to the system means will cause oxidation and corrosion.

2.2 Electric heating

Maintenance of the heating section should be carried out in autumn before the start of the heating season. For maintenance, it is sufficient to clean the heat transfer surfaces if necessary. Clean by vacuuming.

DO NOT USE WATER, DANGER !

2.3 Cooling part

The cooling section is cleaned and maintained in the same way as the heating section.

3. HEAT RECOVERY

3.1 Water-glycol recovery

Cleaning and venting are sufficient for the maintenance of the water glycol recovery, the same way as with the heating section.

3.2 Plate heat exchanger

For maintenance, cleaning from time to time by vacuuming or, if necessary, water washing is usually sufficient. When washing with water, remember that all electricity must be switched off, including the control voltages. All electrical equipment must be properly protected from water, **DANGER!**

4. HUMIDIFIER PART

The humidifier comes with separate detailed maintenance and installation instructions.

The most important thing to maintain is to keep the inside of the humidifier clean, which is done by washing the humidifier pool and the inside often enough. If algae growth occurs, overflow must be increased until growth ceases. If necessary, disinfect the entire device with a strong detergent.

For reasons of hygiene, it is recommended to use only hot water fitting, not a humidifier with a pump circuit. Service the humidifier before the start of the heating season in the fall.

Also remember to service the inlet water filter.

5. FAN PART

If the engine crashes, the impeller wags or makes a vague noise, contact ETS NORD Recair.

The impeller can be cleaned with a vacuum cleaner, compressed air, or a brush. If the impeller is covered with greasy dirt, it can be washed with detergent or solvent. Cleaning should be performed if necessary, but a service inspection should be performed at least once a year. A heavily soiled impeller will result in lower fan efficiency and increased energy consumption.

Vacuum the housing when cleaning.

6. EMPTYING THE INLET AIR CHAMBER

Leaves, insects, etc. that have entered the supply air chamber are to be removed and the chamber washed if necessary.

7. CLEANING THE CONDENSATE DRAIN

Check that the floor drain is not blocked and there is water in the water trap. A preservative is added to the dried floor drain.

Additional information:

ETS NORD Recair tel. 040 1842 842

MAINTANANCE INSTRUCTION, ANNEX

Filter list:

Machine size Filters

1A	1x[592x287]
1B	1 x[592x287] + 1 x[287x287]
1C	2x[592x287]
2A	1 x[592x442]
2B	1 x[592x442] + 1x[287x442]
2C	2x[592x442]
3A	1 x[592x592]
3B	1 x[592x592] + 1x[287x592]
3C	2x[592x592]
3D	2x[592x592] + 1x[287x592]
4B	1 x[592x592] + 1x[287x592] + 1x[592x287] + 1x[287x287]
4C	2x[592x592] + 2x[592x287]
4D	2x[592x592] + 1x[287x592] + 2x[592x287] + 1x[287x287]
4E	3x[592x592] + 3x[592x287]
4F	4x[592x592] + 4x[592x287]
5B	2x[592x592] + 2x[287x592]
5C	4x[592x592]
5D	4x[592x592] + 2x[287x592]
5 E	6x[592x592]
5 F	8x[592x592]
6C	4x[592x592] + 2x[592x287]
6D	4x[592x592] + 2x[287x592] + 2x[592x287] + 1x[287x287]
6E	6x[592x592] + 3x[592x287]
6F	8x[592x592] + 4x[592x287]
7D	6x[592x592] + 3x[287x592]
7 E	9x[592x592]
7F	12x[592x592]
7G	15x[592x592]
8E	12x[592x592]
8F	16x[592x592]
8G	20x[592x592]

VERTICAL MACHINES

R2A 1x[592x287]

R2B1 x[592x442] + 1x[287x442]

R3B1 x[592x442] + 1x[287x442]