



INSTRUCTIONS FOR THE SERVICE OF HEAT EXCHANGERS

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INSTRUCTIONS OF ASSEMBLY AND MAINTENANCE

Hydraulique linkage

The coils are always linked counter-current. Which means: water entry (heating and cooling coil) are always linked faced to air entry (the conditions of order are determinant)

Coil in two parts in height : to be linked parallel

Coil in two parts in depth : to be linked in series

A tank must be installed on the highest point of the installation so that air can be stocked and purged at this point.

For a mixture of water / glycol, the montage of spherical taps, recommended for glycol.

The linkage of heating coil for hot water and vapor (100° C and above) must be flexible (flexible and supple metallic tubing) the efforts of widening / expansion must not force on the heating coil (less lifetime).

Remove the plastic protections on the threads before linkage to the distribution. Close the bleeding taps and air bleeders (if installed). When linking the manifolds hold the manifold with a tube clamp or with a fork key so that the manifolds do not turn while tightening.

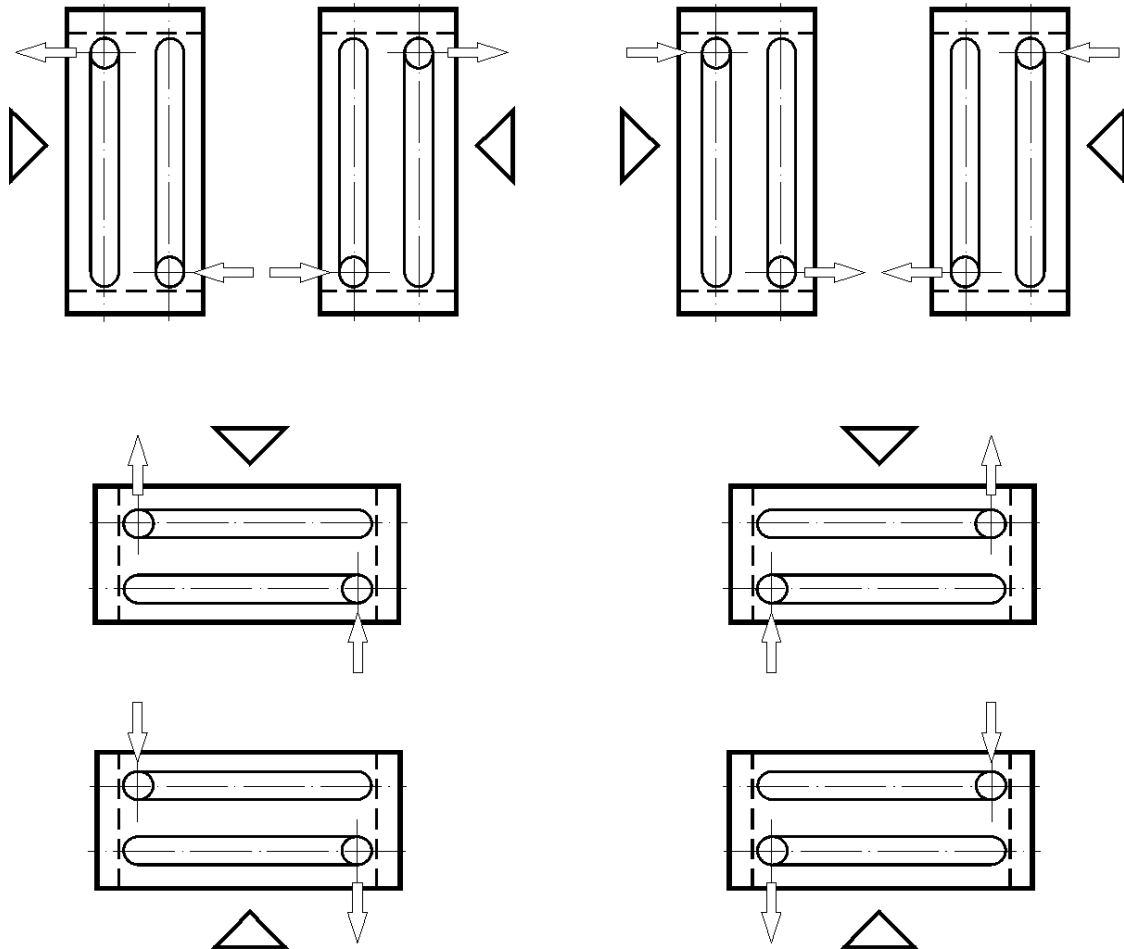
When filling, bleed the coils.

In case of freezing level without glycol, empty the heating coil. To assure a complete bleed, put air pressure in the top linkage.

Evacuation of the condensat will be done by the installer (plumber) and if possible manifold side.

The damaged fins should be straightened with a pair of pliers. A comb for strips can be used.

PLANS OF LINKING





CLEANING

A dirty heating coil may cause an air blockage and less power.

The left over of acid and alkaline solutions will damage the coating.

A heating coil which is in an aggressive environment must be cleaned regularly to preserve against blockage.

Cleaning intervals may vary, that is why a periodical check must be done.

Be careful during cleaning with high pressure installations, not to damage the corrosion inhibitor.



IMPORTANT INDICATIONS

Be careful while cleaning, that the corrosion inhibitor is not damaged by tools or high pressure cleaners.

It is important that the fins are cleaned from the front. If the fins are cleaned laterally they can be damaged.

The installations of the fins are done with comb for strips or pliers.

The heating coil is mounted as ordered.

PRECAUTIONS

Risk of cuts by the packet of fins if not handled correctly.

Always use protective gloves while handling the heat coils.

When there are aggressive substances in the air, always use protective clothing, during cleaning, and always dispose of the waste water correctly.

If the heating coil is used in high temperature, the risk of burns may occur.

EIIMINATION OF WASTE

In case of disposal, the coil can be completely recyclable.