

STX-B1 COIL RECOVERY

A heat exchanger with coil recovery is used to recover heat from the exhaust air and transfer it to the supply air. This is done by the exhaust air heating up the water, which is then pumped further to heat the outdoor air.

The recovery level is controlled using a valve actuator. Coil recovery is particularly suitable for premises where you want to avoid supply air and exhaust air mixing, or where the supply air and exhaust air parts are located in different places.

The water in the system is usually mixed with ethylene glycol to prevent it from freezing. However, condensation can form when the warm exhaust air is cooled down. If this condensation water comes into contact with the cold water in the system, there is a risk of frost on the coil. To avoid this, a frost protection sensor is used to ensure that the water does not get too cold.