

EC59

The Combined Evaporator and Condenser

The EC is a combined evaporator/condenser, with an superheating/sub-cooling section. It is delivered with an ejector system, which guarantees the oil return and provides an optimised distribution through the heat exchanger.

The superheating /sub-cooling section, increases the superheating and the subcooling, and it gives you a stable evaporation process. The result is a more efficient heat exchanger, with a higher evaporation temperature and more effect from your application. Another advantage is the reduced quantity of freon in the whole system.



Oil, and other particles from the bottom of the heat exchanger, are recirculated back to the ejector, where they are broken down into a finer mist, and re-enter the evaporator.

This is a continuing process, which eliminates the oil return problem in certain low temperature applications. It also creates an optimised distribution in the evaporator, with an increased capacity as a consequence.



The ejector!



CVK-EC chiller,
manufactured by Kylma AB.

The CVK-EC is a new chiller concept, based on the EC heat exchanger. Because of the EC compactness, the measurements are only 1000x780x800 mm, with a maximum cooling capacity of 40 kW (-15°C/+40°C, R404)