

System design / Air flow

Apart from cooling the compressor, airflow is used to ensure efficient heat exchange in the condenser and therefore directly affects condensing temperature.

It is important to provide a good air supply to the condenser which should be as cool as possible.

- Make sure that the unit does not become covered with dirt and that it is cleaned periodically. It is vital to maintain the free flow of air into and out of the condenser and to keep the two flows separate.
- Remove any obstacles to the airflow. The positioning of the unit may result in re-circulation of the exhausted hot through the condenser. This may lead to air passing through the condenser being several degrees (sometimes up to +10°C) hotter, which reduces the refrigerating efficiency and can activate safety devices as well as reducing the life of the compressor.