

Storage Conditions of Secop Condensing Units

Condensing units are part of a cooling system. Inlet and outlet tube connections are closed with rubber grommets that provide proper sealing against the intake of ambient air or humidity into the condensing unit.

Moisture Level

Straight from the production of compressor and condensing unit, the volumes which will be filled with refrigerant (compressor, tubes, condenser, etc.) are dried to a "ready-to-use" moisture level and are filled with dry air before being closed with the rubber grommets.

Installation

Various materials inside the condensing unit are hygroscopic (e.g., oil, filter dryer, etc.). The sealing rubber grommet should be removed only for a short time (maximum 15 minutes) before installing and closing the cooling circuit to prevent the intake of moisture.

Technical Risk

An excessively high moisture level inside an operating cooling system can lead to various technical problems for cooling performance (e.g., a blocked capillary tube) and reliability (e.g. corrosion, over-heating).

Storage Time

In the first year after production, the condensing unit is ready for direct installation into the cooling circuit. For use of older condensing units, please consult Secop Application Engineering to agree on terms and actions.

Electrical accessories and electronic units of the condensing unit must be powered up within 3 years after production to prevent functional degradation of the components (e.g. drying out of electrolytic capacitors).

Storage Conditions	
Temperature (best)	+ 10°C to 25°C
Temperature (maximum)	+ 30°C
Humidity	30% to 70% non-condensing
Environment	non-corrosive
Storage area	clean, dry, ventilated, no sunlight

Table Conditions