

Storage Conditions of Secop Compressors

The compressors are dried to a maximum moisture content of 60 to 75 mg depending on the compressor size.

Moisture Level

Secop compressors leave the factories with a moisture load less or equal 125 ppm. This ppm rate includes a safety factor for a storing time of up to one year or longer. In addition to storing time and storing conditions, the moisture level may increase. A slightly higher ppm-level in general is not critical and will not affect the compressors or systems, where the compressors will be implemented. The limit of 125 ppm is very low if we consider that the surrounding air contains approx. 8,000 ppm at 22°C and a relative humidity load of 40%.

Old Stock

Compressors should be stored in a warehouse under approved conditions (temperature, humidity) for up to one year. For use of older compressors, please consult Secop Application Engineering to agree on terms and actions.

System Assembly

Our compressors are supplied with sealed connectors, and the sealing should not be removed before system assembly is performed. (max. 15 minutes with open connectors).

Driers

Secop compressors are expected to be used in well dimensioned refrigerant systems including a drier containing a sufficient amount and type of desiccant and with a suitable quality. The refrigerating systems are expected to have a dryness corresponding to 10 ppm. 20 ppm is accepted as a maximum limit. A new drier must always be installed when a refrigeration system has been opened.

Test Parameters	Demand
Conditioning	24 h, room temperature
Condition of compressor	charged with oil
Measurement temperature	room temperature
Measurement time	1-2 minutes
Medium	dew point
Measurement cell	electrical hydrometer
Demand	max.125 ppm H ₂ O

Table Test parameters

Storage Conditions	Operating Conditions
-25°C to 70°C	+5°C to 43°C
humidity < 90% rH non-condensing	

Table Conditions