

Switzerland's largest retail and wholesale group with 27.7 billion CHF turnover in 2011

Production



Retail (just in Switzerland)



Wholesale



CO₂ as refrigerant: from tests to standard

2003 / 2004

First plants with CO₂ as refrigerant

2008 / 2009

Successful widespread tests with CO₂ as only refrigerant

2010

Standard: CO₂ as only refrigerant in all new stores and refurbishments

Today

Coop has equipped 160 food stores with CO₂ as only refrigerant
→ that are 20% of all food stores
→ no problems or incidents so far

Future

- Parallel compression, additional adsorption plant within CO₂ plants
- Total HFC phase-out by 2025 as all food stores will be equipped with CO₂ as only refrigerant

Just advantages

- Investment costs of refrigeration plants with CO₂ as refrigerant are lower than those of plants with HFC's (due to Swiss regulation regarding refrigerants at plants >80kW)
- GHG-balance improves as plants with CO₂ as refrigerant have a lower negative climate impact due to the lower GWP of CO₂ compared to HFCs
- Refrigerant plants with CO₂ have on average a 30% lower electricity consumption per linear meter of cabinet compared to plants with synthetic refrigerants

