

# F.L. KM 100

Synthetic refrigeration oil



## The benefits at a glance

- NSF-H1 registered
- Fully synthetic
- Excellent low temperature flowability
- Little evaporation losses
- High thermal and chemical stability under the influence of NH<sub>3</sub>
- Excellent lubricating properties
- Ageing resistant
- Reduces friction, wear and the consumption of energy



## Properties

**Rivolta F.L. KM 100** is a synthetic refrigeration oil based on poly-alphaolefins (PAO). It excels in its high thermal and chemical stability, good lubricating properties and an excellent viscosity-temperature-behaviour. **F.L. KM 100** fulfils requirements which are not or insufficiently met by mineral oil-based refrigeration oils. **F.L. KM 100** is NSF-H1 registered. The product meets and exceeds the requirements according to DIN 51503-1, category KAA, of refrigeration oils, which are not miscible with ammonia (NH<sub>3</sub>) and which are based upon synthetic hydrocarbons.

## Fields of application

Refrigeration plants/ refrigeration technology:

- catering
- bakeries
- butcher's shops
- dairies
- beverage production

<b>Form</b>	liquid
<b>Colour</b>	light-transparent
<b>Odour</b>	neutral

## Material compatibility

A consistency is given with mineral oil resistant sealing materials. The product is miscible with mineral oils and polyalphaolefin oils but not with polyalkylene glycol.

## Preparation of the lubricating point

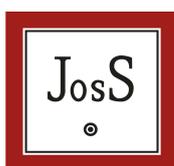
First drain the old product. If the system was filled with a miscible product, no particular flushing is necessary before the new filling with **Rivolta F.L. KM 100**. The full performance only results from an unmixed use. If the system was filled with an oil which is not miscible, a flushing with **F.L. KM 100** must be included before the new filling.

## Instructions for use

Suitable application devices and accessories in our [accessories brochure](#).



	Value	Norm
<b>NSF Reg.-No.</b>	139372	-
<b>Density at +15 °C</b>	0,84 g/cm <sup>3</sup>	DIN 51757
<b>ISO viscosity grade</b>	68	DIN 51519
<b>Viscosity index</b>	> 140	DIN ISO 2909
<b>Kine. Viscosity at +40 °C</b>	68 mm <sup>2</sup> /s	DIN 51562-1
<b>Kine. Viscosity at +100 °C</b>	10,7 mm <sup>2</sup> /s	DIN 51562-1
<b>Flashpoint</b>	+262 °C	DIN EN ISO 2592
<b>Pourpoint</b>	-59 °C	DIN ISO 3016



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