

Oil level regulator



THE NEW GENERATION INT280

**Regulation at the highest level –
with the most compact INT280 of all times**



Efficient and reliable oil management for refrigerant compressors



The INT280 oil level regulator complements the KRIWAN system solutions for efficient and reliable oil management in the refrigeration circuit.

The INT280 monitors and controls the oil level in refrigerant compressors. The oil level regulator is used in multi-compressor packs that use several reciprocating and scroll compressors in parallel. Adaptive resupply from a common oil reservoir prevents problems caused by oil carry-over. In addition, the compressor is shut down if the required oil level cannot be ensured.

The new generation of INT280 oil level regulators has some improved characteristics:

Quick installation

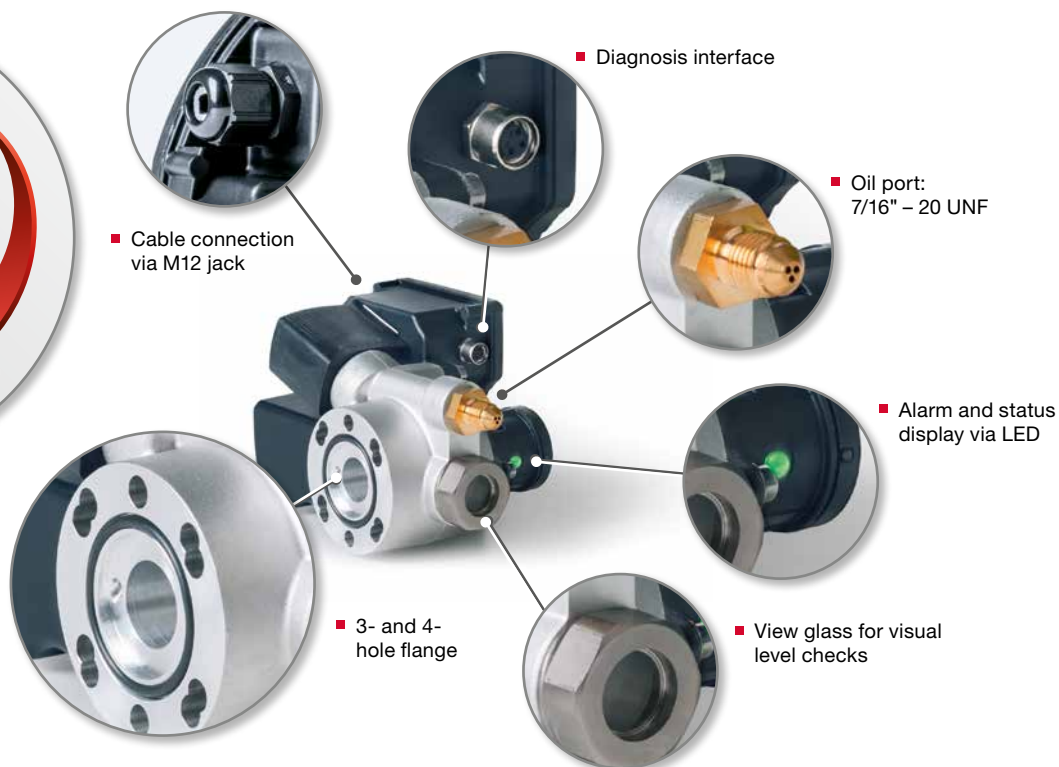
The INT280 is ready to use out of the box: It has a simple mechanical attachment and requires only a single cable for power supply and the safety chain. The solenoid valve is already connected.

Compact design

The new INT280 is very compact. Multi-compressor packs with scroll compressor can be planned and realized with a minimum of space requirements.



- 180° reversible – 2 possible installation positions



The new generation – even better precision



Filling algorithm: Self-adapting and customizable

Fixed, inflexible filling procedures have limited practical use. There is too much variation in the compressors and operating conditions. The algorithm of the INT280 adjusts the refill behavior within safe parameters based on past experience. This avoids excessively short cycles, for example. The refilling process stops as soon as there is a sufficient amount of oil.

With the relevant access rights, the diagnosis interface allows further adjustment of the basic algorithm based on diagnosis data and the experience of the system installer.

Suitable for CO₂ refrigeration systems

A special version of the INT280 is suitable for use in trans-critical CO₂ systems.

Diagnosis

The INT280 Diagnose delivers valid data for diagnosis and analysis of how often and for how long oil was refilled, or whether the compressor needed to be shut down for protection e.g. because an insufficient amount of oil was supplied from the reservoir. This data can be accessed on-site or via the Internet. Integration in the system controller is also possible.

With its precise functions, the electronic oil level regulator makes an innovative contribution to active compressor protection and improves the safety, availability, and efficiency of a refrigeration system.

The new INT280

Precise oil level measurement through optical measurement

- No moving parts
- No measurement errors caused by oil viscosity
- Self-monitoring sensors



Compact design



Self-teaching filling algorithm



Suitable for CO₂ refrigeration systems



Optional

Diagnosis capable, parameterizable



Optional

Usable for low and high-pressure oil compensation systems



IP65 protection



Available in 24, 115, and 230 VAC versions




Automatic running detection by connecting the DP interface to the DP connector of the existing KRIWAN Diagnose motor protector



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