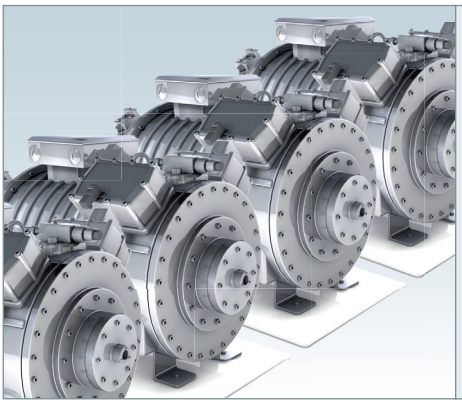
Estimation of compressor oil usage rate



In a rack system, multiple compressors are installed and connected to a common oil return. The aim is to ensure a uniform and adequate supply of oil to each compressor in order to prevent the compressor from switching off due to a lack of oil. Problems may occur depending on the operating point of each individual compressors of the system.

INT280 / INT600 DM

Product description

A diagnostic interface on the INT280 allows data from the oil level regulator to be sent to the controller. Among other data points, the information on how often each compressor in the system had to refill oil. With the design of the INT280 valve, the oil refilling time can be used to estimate each compressor's oil usage. This estimate can be used to detect changes in the compressor at an early stage.

KRIWAN Diagnose

KRIWAN Diagnose

KRIWAN's advanced Diagnose technology provides direct access to detailed system data.

The INT600 DM Modbus gateway can be used to send data directly to a controller.

Benefits

- Diagnostic interface for communication
- Self-learning filling algorithm that adapts to the system
- Option for programming the fill algorithm
- Self-monitoring of the oil sensor
- Compact size, optimized for small CO_2 compressors
- High pressure range (130 bar) and differential pressure (70 bar)
- Easy installation on the compressor
- Especially for CO_2 trans critical: programmable overfill time, preventing foam formation
- LED status display

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