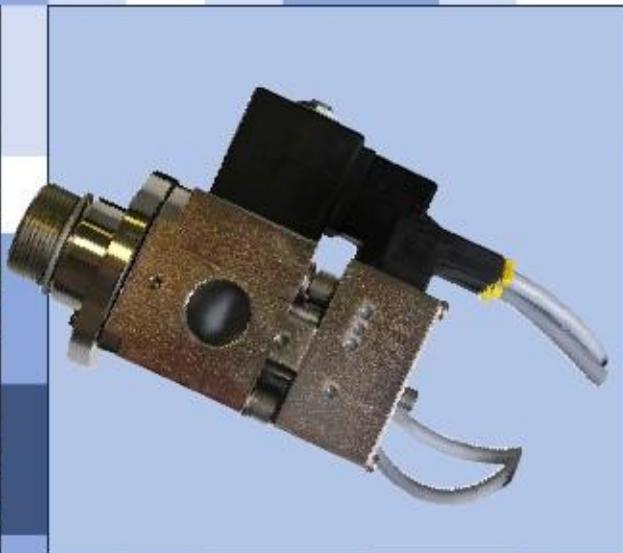


RK30

Oil control unit



Features

- No moving parts, ensuring lasting reliability
- Extremely compact
- Easy to install
- No pressure reducing device in circuit
- Reduced number of joints in circuit
- Uses a smaller number of components
- No calibration or range adjustments required



Operating mode

The RK30 controls the oil level in the compressor to prevent operation without lubricant. The RK30 checks the oil level by means of a built-in optoelectronic sensor. It also has a solenoid valve for automatic oil recirculation. The output either generates an external alarm or stops the compressor by means of an external power relay if there is no oil for a prolonged period.

Technical Data

- | | |
|-----------------------------|--|
| ■ Power supply: | 24V~ ±10% 50/60Hz |
| ■ Casing: | nickel-plated steel |
| ■ Output: | on 2A @ 230V relay (NO) or voltage-free (NC) |
| ■ Operating current: | 0.6A depending on type of coil |
| ■ Power: | 30VA on transformer for every RK30 |
| ■ Oil temperature: | 40°C...+85°C |
| ■ Oil injection connection: | -7/16 -020 UNEF male |
| ■ Max operating pressure: | 45 bar (90 bar on request) |
| ■ Differential pressure: | 45 bar (60 bar on request) |
| ■ Protection class: | IP65 |
| ■ Cable: | PVC, -20...70°C (fixed laying) |

Features

- High reliability assured by the lack of moving mechanical parts.
- Fast visual inspection as inspection window and LED on same side.
- No leakage from inspection window - the absence of seals and the steel-glass fusion technology guarantee excellent chemical compatibility.
- Direct mounting on 3 or 4-hole flange fittings.
- Simple maintenance: quick coil replacement thanks to the dedicated connector and optoelectronic sensor, removable with no need to drain and/or vent system.
- No external pressure reducing systems.
- Maximum compatibility with a wide variety of refrigerant when fitting different solenoid valves (also externally).
- Direct safety chain connection via relay.
- Adapters for fitting to different types of compressor.

Example of typical use: oil return system with multiple compressors

