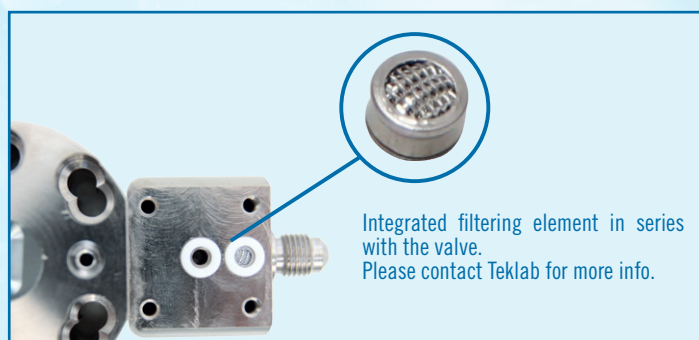




# TK4MB @80 bar

## Oil Level Regulator with integrated Modbus RTU connectivity



### Some advantages of this solution:

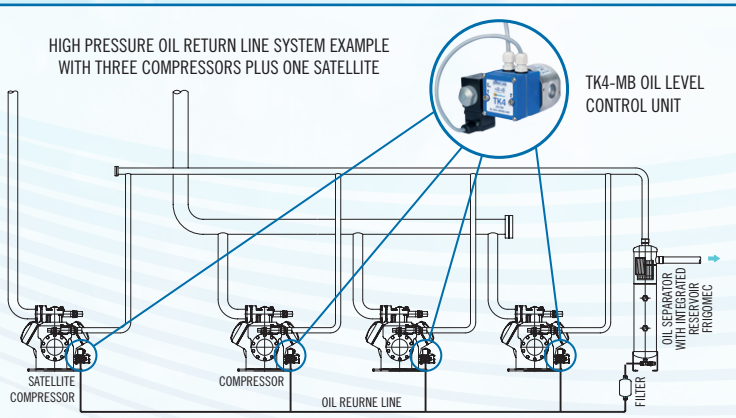
- Modbus RTU Serial connection to system controller
- Extremely compact dimensions
- Left/Right mounting possibility with the same TK4-MB
- Reduction of the number of junctions in the circuit with less possibility of having leakages
- Usage of less components (simplified circuit and easier warehouse management)
- Simplified Installation (cost savings in terms of installation time)
- Revolutionary connectivity capabilities.

### Main Features

- **High reliability** ensured by absence of mechanical moving parts.
- **Sight glass and electronic LEDs** can be checked **on the same side** where is **more comfortable** to do **inspections**.
- Well consolidated steel with fused glass technology with absence of seals ensures **no leakage** and **good chemical compatibility**.
- **Direct sight glass replacement (3/4/6 holes flange connection)**.
- 24 VAC / 230 VAC power supply options.
- **Easy maintenance of the coil** of the valve **and of the Electro-Optic sensor** that can be easily replaced **without emptying or depressurizing the plant**.
- 230 VAC /2A alarm relay output suitable for **direct connection in the security chain** of the system.
- **Adapters suitable for various types of compressors.**
- **Unit conform to directives 2014/30/UE and 2014/35/UE.**

### Application Description

The TK4-MB is designed to control the oil level in the compressor crankcase in order to avoid the compressor to run without oil and so improve its lifetime. TK4-MB monitors the oil level with the embedded electro-optic sensor and comprises a solenoid valve for oil filling and a relay output contact to give an alarm.



## Modbus RTU typical application



**Program interfaces available. Suggested ordering codes not include oil strainer element. Adapters must be ordered separately.**