



THE HEART OF FRESHNESS

CM-RC-01 CONTROL AND MONITORING MODULE FOR **RECIPROCATING** COMPRESSORS



INTELLIGENT
COMPRESSORS

MONITORING, CONTROL, PROTECTION AND COMMUNICATION EX FACTORY

The new generation of extended BITZER protection devices reliably monitors, controls and protects your reciprocating compressors and communicates with the superordinate system controller. The integrated data log saves the operating states and thus enables a comprehensive diagnosis at any time. All sensors and actuators are prewired and preconfigured in the BITZER factory. That makes commissioning quick and reliable and saves effort in the switch board.

PROTECTION FUNCTIONS*

- // Motor and discharge-gas temperature
- // High-pressure switch
- // Oil monitoring

CONTROL*

- // Oil heater
- // Additional fan
- // CIC liquid injection
- // Time delay PW or Y/Δ start
- // Start unloading (SU)
- // CRII capacity regulator as specified by a superordinate system controller via Modbus or 0–10 V/4–20 mA



DIAGNOSIS*

Data log of all digital and analog I/Os such as:

- // Historical memory with alarm and warning messages
- // Motor and discharge-gas temperature
- // High-pressure switch
- // Oil monitoring
- // Running-time and capacity-control statistics

COMMUNICATION

Modbus communication with:

- // Superordinate system
- // BEST software via BEST converter or wireless
- // Status LED with indication for operation, warning, alarm and communication for initial diagnosis

*Depending on the version.