Flow Controls Parts

OMB Crankcase Oil Level Protective Control

The OMB is a compressor crankcase oil level protective control ideal for use with Copeland Scroll[™] models ZF, ZB, ZR and ZS. It is also recommended for Copeland[™] brand products, Carlyle, Bitzer, and other semi-hermetic compressors.

Features

- Precision oil level measurement for maximum protection
- Easy monitoring with alarm and status lights
- Foam resistant design prevents nuisance trips unlike optical sensor designs
- Contaminant proof operation ensures accurate control
- Only approved oil level control for Copeland Scroll
 Compressors
- 5-time lockout feature protects compressor from repeated low oil level condition
- Self-contained unit with oil lever sensor and integral solenoid to manage oil level supply
- Reverse Hall-effect sensor for precise measurement of oil level and protection from sensor magnetic debris contamination
- SPDT output contact for compressor shut-down and alarming
- Easy installation by sightglass replacement
- Adapters suitable for various types of scroll compressors (not required for reciprocating compressors)
- UL Recognized (File Number: MP604)
- Fluorescent floating ball
- Integral sight glass
- Debris retention magnet for reliable operation

Ordering Information

PCN	Description		
	Oil Management Control		
065365	OMB-JB1 ASC 2 24/50-60 - STD		
065366	OMB-MO1 ASC 2 24/50-60 - STD		
	Adapters (to attach OMB to Copeland Scroll compressor for new installation only)		
065668	OMB-ACA ADAPTER (3/4" x 14 NPTF) Copeland Glacier, ZF, ZS, ZB		
065667	OMB-ACB ADPATER (1 1/8" x 12 UNF) Copeland A/C ZR		
066077	OMB-ACD ADAPTER (1 1/4" x 12 UNF) Copeland A/C Summit Series		
066078	OMB-ACE ADAPTER (1 3/4" x 12 UNF) Copeland Specter Series		
063521	OMB-AUA Copeland 6D Semi-Hermetic		
065982	OMB-ASA Carlyle Compressors DA, DR, 5F, 5H, 06D and 06E		
	Service parts		
048638	Inlet Flare Screen		
020877	Sight Glass O-Ring		
064812	Mounting O-Rings (3 pieces)		
049191	KS-30112 Solenoid Repair Kit		

Specifications

- Maximum working pressure: 640 psi
- Solenoid MOPD: 350 psi
- Supply voltage: 24 VAC, 50/60 Hz
- Solenoid coil: ASC 2L 24 VAC,
- 50/60 Hz
- Current consumption: 0.6A
- Time delay for low level signalling: 5–10 seconds
- Time delay for after setpoint recovery: 5–10 seconds

OMB Series

- Alarm delay time: 120 seconds
- Alarm switch: SPDT
- Alarm contact rating: 10A at 125;

5A at 220 VAC

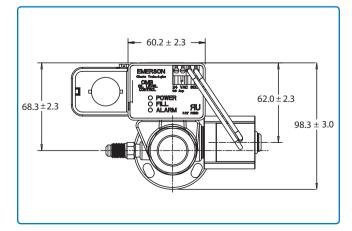
50/60 Hz

- Refrigerant compatibility: HFC, HCFC, CFC
- Oil temperature: 180°F Max.
- Storage and transport temperature: 140°F Max.
- Operating ambient temperature: 120°F Max.
- Oil supply fitting: 1/4" Male SAE
- UL/CUL file number: SA8547
- Transformer VA requirements^{*} 25"
- *NOTE: Field supplied transformer should always be of the same primary voltage as the electrical supply system.

Nomenclature example: OMB-JB1 ASC2 24 50/60

OMB	JB1	ASC 2 24 50/60
Oil Management Control	JB1 - Junction Box MO1 - Series Relief Connector	Solenoid Coil Model Number Voltage, Frequency (Included)

Dimensional Drawing



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