

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 level 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

## Nomenclature example: OMB-JB1 ASC2 24 50/60

OMB	JB1	ASC2 24 50/60
Oil Management Control	JB1 - Junction Box MO1 - Series Relief Connector	Solenoid Coil Model Number, Voltage, Frequency (included)

## 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
	Service Parts
048638	Inlet Flare Screen
020877	Sight Glass O-Ring
064812	Mounting O-Rings (3 pieces)
049191	KS-30112 Solenoid Repair Kit

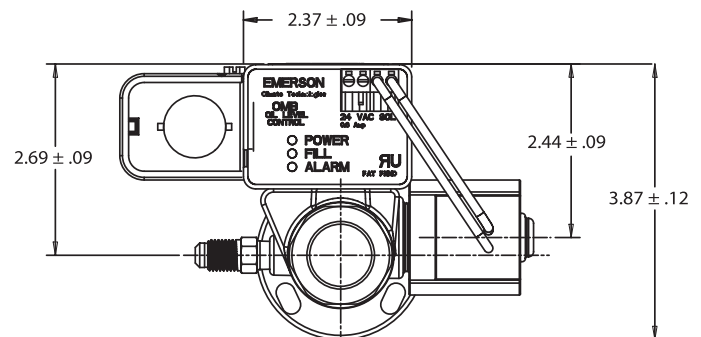


## Specifications

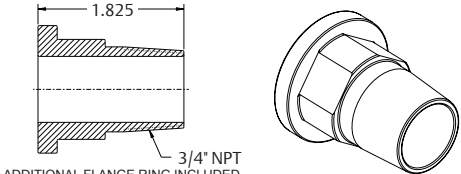
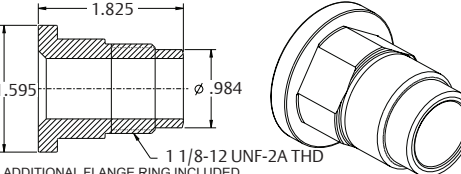
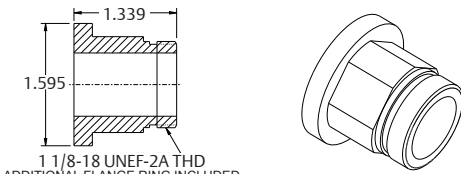
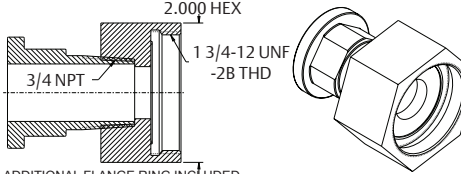
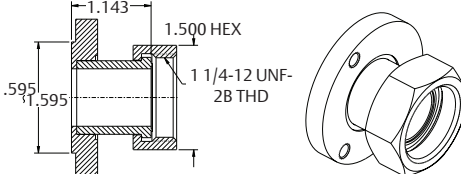
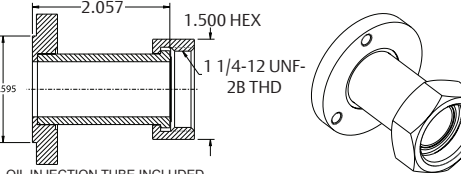
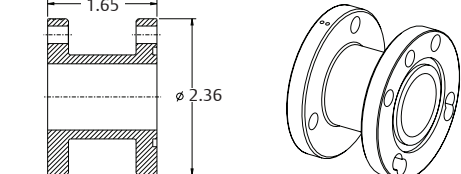
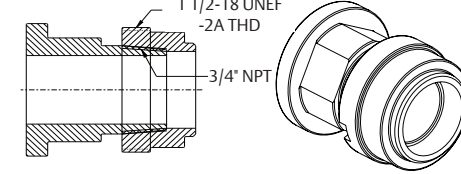
- Maximum working pressure: 870 psi
- Solenoid MOPD: 350 psi
- Supply voltage: 24 V AC, 50/60 Hz
- Solenoid coil: ASC 2L 24 V AC, 50/60 Hz
- Current consumption: 0.6A
- Time delay for low level signalling: 5-10 seconds
- Time delay for after setpoint recovery: 5-10 seconds
- Alarm delay time: 120 seconds
- Alarm switch: SPDT
- Alarm contact rating: 10A @ 125; 5A @ 220 V AC 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.

## Dimensional Data



Unit must be mounted horizontally for correct operation.

Description	PCN	Recommended Torque Adapter to Compressor	Drawing
Screw Adapter 3/4" x 14 NPTF	065668 OMB-ACA	30 - 40 ft - lbs	 <p>1.825 3/4" NPT ADDITIONAL FLANGE RING INCLUDED</p>
Screw Adapter 1 1/8" x 12 UNF-2A THD	065667 OMB - ACB	30 - 40 ft - lbs	 <p>1.825 ø1.595 ø .984 1 1/8-12 UNF-2A THD ADDITIONAL FLANGE RING INCLUDED</p>
Screw Adapter 1 1/8" x 18 UNEF-2A THD	066692 OMB-CO2	37-44 ft-lbs	 <p>1.339 1.595 1 1/8-18 UNEF-2A THD ADDITIONAL FLANGE RING INCLUDED</p>
Screw Adapter, Female Nut 1 3/4" x 12 UNF - 2B THD	066078 OMB - ACE	30 - 40 ft - lbs	 <p>2.000 HEX 1 3/4-12 UNF -2B THD 3/4 NPT ADDITIONAL FLANGE RING INCLUDED</p>
Rotalock Adapter 1 1/4" x 12 UNF-2B THD	066650 OMB-ACF	80 ft - lbs	 <p>1.143 1.500 HEX 1 1/4-12 UNF-2B THD 1.595 1.595</p>
Rotalock Adapter 1 1/4" x 12 UNF-2B THD	066652 OMB - ACG replacement for 066077 OMB-ACD	80 ft - lbs	 <p>2.057 1.500 HEX 1 1/4-12 UNF-2B THD ø1.595 OIL INJECTION TUBE INCLUDED</p>
Adapter for Copeland Semi-Hermetic	063521 OMB - AUA	120 in - lbs	 <p>1.65 ø 2.36</p>
Screw Adapter 1 1/2" x 18 UNEF - 2A THD	065982 OMB - ASA	30 - 40 ft - lbs	 <p>1 1/2-18 UNEF -2A THD 3/4" NPT</p>

\*Install OMB to adapter flange (1/4" x 20 UNC x 1" Hex bolt) at 120 in- lbs