

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

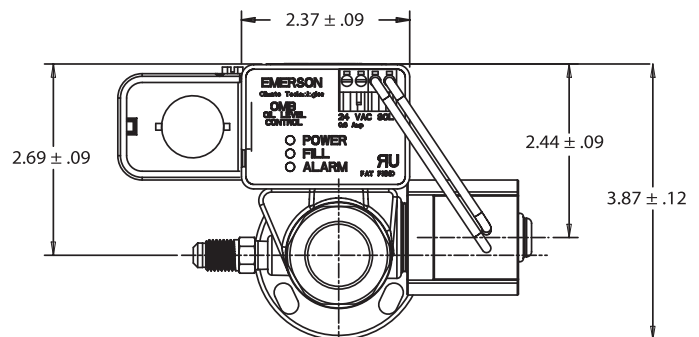


Specifications

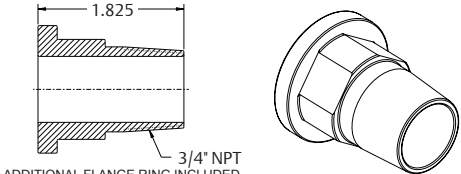
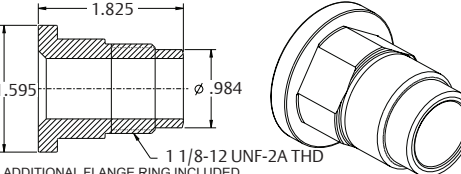
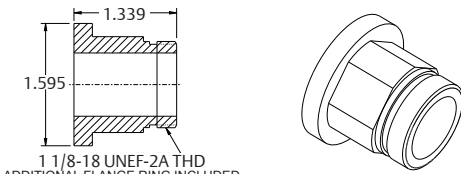
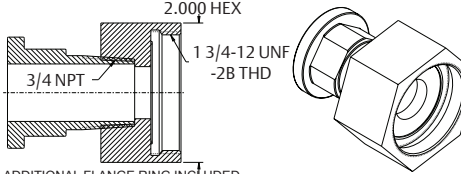
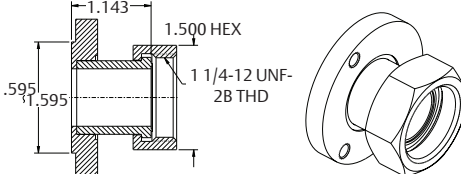
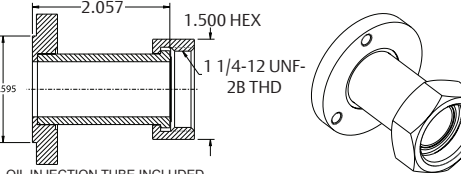
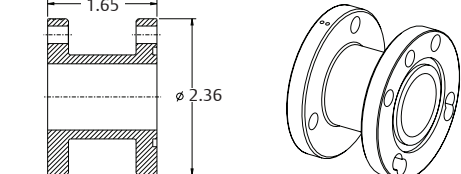
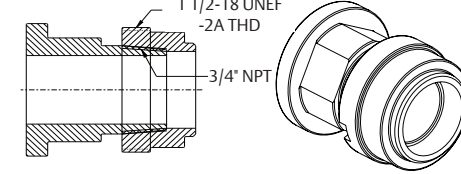
- Maximum working pressure: 870 psi
- Solenoid MOPD: 350 psi
- Supply voltage: 24 V AC, 50/60 Hz
- Solenoid coil: ASC 2L 24 V AC, 50/60 Hz
- Current consumption: 0.6A
- Time delay for low level signalling: 5-10 seconds
- Time delay for after setpoint recovery: 5-10 seconds
- Alarm delay time: 120 seconds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