OMC D120S

OMB / OMC SERIES
OIL MANAGEMENT CONTROL

The OMB/C prevents compressor burnout and system downtime by maintaining a proper compressor crankcase oil level. Ideal for all brands of semi-hermetic compressors and recommended for Copeland Scroll™.

FEATURES

- Compressor lockout feature alerts repeated low oil for early system diagnosis and resolution
- Easy monitoring with visual alarm and multi-color status lights
- Hall-effect sensing technology unlike optical sensors, eliminates false detection of possible oil foaming
- System debris retention magnet for reliable control
- Oil level float ball in sight glass allows quick visual indication
- Simple to install with adapters available for various compressor types
- OMC Series offers optional side sight glass that provides oil level view from multiple directions, multiple voltage ratings to eliminate need for stepdown transformer and a self-contained electrical enclosure with conduit connections for field service wiring

OMB / C SERIES OIL MANAGEMENT CONTROL SPECIFICATIONS

SPECIFICATIONS	OMB	OMC	OMC NH3	OMC CO2
Maximum Working Pressure (MWP)	870 psig (60 bar)			1885 psig (130 bar)
Solenoid min/max OPD	0/350 psig (0/24 bar)			0/1450 psig (0/100 bar)
Supply Voltage	24V 50/60 Hz	120V or 220-240V, 50/60 Hz	24, 120V OR 220-240V, 50/60 Hz	
Solenoid Coil	EMF			
Current Consumption	0.6 Amp (24V)	0.15 Amp (120V), 0.07 Amp (220-240V)		0.6 Amp (24V) 0.15 Amp (120V) 0.07 Amp (220-240V)
Time Delay for Low Level Signal	10 Seconds			
Time Delay After Setpoint Recovery	5 Seconds			
Alarm Delay Time (Including Alarm Contact)	120 Seconds			
Alarm Switch	SPDT			
Alarm Contact Rating	10A @ 120VAC 50/60 Hz, 5A @ 250VAC 50/60 Hz, 3A @ 30VDC			
Refrigerant Compatibility	Class A1 (incl. subcritical CO2)		Ammonia	Transcritical CO2
Refrigerant Temperature	-40°F/C to 180°F (82°C) Maximum			
Ambient Temperature - Storage	-40°F/C to 120°F (49°C) Maximum			
Ambient Temperature - Intermittent Duty	-40°F/C to 120°F (49°C) Maximum			
Oil Supply Fitting	1/4" Male SAE			
	(Brass)		(Stainless Steel)	(Brass)
Agency	UL/CUL File Number SA8547			

MODEL NUMBER NOMENCLATURE - Example: OMC D120CO2S

SERIES	CONFIGURATION	COIL VOLTAGE	APPLICATION	STRAINER
OMC	D	120	CO2	S
OMB = Oil Management Control	JB = Junction Box MO = Gommet with Leads	24 = 24V 50/60 Hz	K5 = For Copeland K5 Compressor with Adapter (Omit for Standard)	S = Strainer (Omit for No Strainer)
OMC = Oil Management Control Multi-Voltage	S = Single Sight Glass D = Dual Sight Glass	24 = 24V 50/60Hz 120 = 120V 50/60 Hz 240 = 240V 50/60 Hz	NH3 = Ammonia CO2 = Transcritcal CO2 K5 = For Copeland K5 Compressor with Adapter (Omit for Standard)	S = Strainer (Omit for No Strainer)

NOTE: For aftermarket replacement on a K5 compressor use oil injection tube 30240-3.
NOTE: It is recommended that an oil filter be installed on the oil inlet line to further protect the system from contaminants even when the oil management control contains an inlet strainer.

OMB / C SERIES OIL MANAGEMENT CONTROLS

COIL VOLTAGE	APPLICATION	CONFIGURATION	INLET STRAINER	MODEL NUMBER	ITEM NUMBER
24 VAC, 50/60 Hz	Standard	Junction Box	No	**OMB JB24**	**065365**
24 VAC, 50/60 Hz	Standard	Grommet With Leads	No	**OMB MO24**	**065366**
120 VAC, 50/60 Hz	Standard	Dual Sight Glass	Yes	**OMC D120S**	**096806**
220-240 VAC, 50/60 Hz	Standard	Dual Sight Glass	Yes	**OMC D240S**	**096807**
24 VAC, 50/60 Hz	Transcritical CO2	Dual Sight Glass	Yes	**OMC D24CO2S**	**1815412**
120 VAC, 50/60 Hz	Transcritical CO2	Dual Sight Glass	Yes	**OMC D120CO2S**	**1815404**
220-240 VAC, 50/60 Hz	Transcritical CO2	Dual Sight Glass	Yes	**OMC D240CO2S**	**1808095**
24 VAC, 50/60 Hz	Ammonia	Dual Sight Glass	No	**OMC D24NH3**	**066992**
120 VAC, 50/60 Hz	Ammonia	Dual Sight Glass	No	**OMC D120NH3**	**066938**
220-240 VAC, 50/60 Hz	Ammonia	Dual Sight Glass	No	**OMC D240NH3**	**066939**

OM SERIES PARTS LIST

DESCRIPTION	MODEL NUMBER	ITEM NUMBER
OM Strainer Assembly 1/4" Inlet Filter Screen	**X-11176-7**	**048638**
AMI / OM Sight Glass O-Rings 50 Count	**PS-1525-2**	**020877**
OM Mounting O-Rings (3 Pieces)	**KS-30368-1**	**064812**
OM Oil injection tube for K5 compressors	**30240-3**	**30240-3**

See oil controls adapter page for available adapters