







The Emerson Oil Controls Solution



When it comes to managing refrigeration systems, one of the main concerns is to keep the compressor lubricated while maintaining a high level of heat transfer and energy efficiency by removing as much oil as possible from the refrigerant. This requires sophisticated oil management devices. Emerson Climate Technologies offers a complete range of premium quality mechanical and electronic oil control devices aimed at keeping your refrigeration systems at peak performance at all times. A-WC/A-FC series centrifugal oil separators feature higher oil removal efficiency and lower pressure drop than the leading competition, according to independent test lab results. The OMB electronic oil level control employs Reverse Hall Effect sensing technology to precisely determine the compressor crankcase oil level and feed oil exactly when needed. Its five times lockout feature provides extra protection to the compressor. Specify Emerson. Install confidence.


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Product	Application	Feature
 <p>OMB (Electronic Oil Level Control)</p>	<ul style="list-style-type: none"> • Compressor Crankcase oil level control • Ideal for high pressure oil systems • For use with scroll and semi-hermetic compressors 	<ul style="list-style-type: none"> • Self-Contained unit with oil level sensor and integral solenoid to manage oil level supply • Easy monitoring with alarm and status lights • SPDT output contact for compressor shut-down and alarm • Universal mounting flange and adapters suitable for most compressors
 <p>W-OLC (Mechanical Oil Level Control)</p>	<ul style="list-style-type: none"> • Controls the oil level in the compressor crankcase with float operated valve • Keeps the oil level at the compressor manufacturer's recommended level 	<ul style="list-style-type: none"> • Universal sight glass flange • Adjustable level model (between 1/4 and 1/2 sight glass level) for universal replacement • Optional equalizer for oil transfer between compressors
 <p>A-WC and A-FC (Centrifugal Oil Separator)</p>	<ul style="list-style-type: none"> • Ideal for multiple compressor racks for supermarkets and air-conditioning systems • Used in ultra-low temperature systems with long refrigerant lines or inherent oil return problems 	<ul style="list-style-type: none"> • High efficiency (99%) centrifugal separation • Hermetic welded or accessible bolted flange construction • Multiple leg heights available to meet end user's needs • Applicable to compressor racks up to 130 tons • Oil separator and reservoir available for high pressure oil systems
 <p>A-W and A-F (Oil Separator)</p>	<ul style="list-style-type: none"> • Suitable for multiple compressor racks for supermarkets and air-conditioning systems 	<ul style="list-style-type: none"> • Hermetic welded models available • Accessible bolted flange models for servicing
 <p>AOR (Oil Reservoirs)</p>	<ul style="list-style-type: none"> • Oil holding vessel for stand-by oil necessary for the operation of commercial refrigeration systems 	<ul style="list-style-type: none"> • 3/8" flare rotolock valve • Multiple sightglasses for oil level visibility • 3/8" male SAE flare pressure relief correction
 <p>AOF/AOFD (High Efficiency Oil Filter)</p>	<ul style="list-style-type: none"> • Oil line filtering and drying for oil management systems • Protect the compressor from dirt and solid contaminants including metallic particles 	<ul style="list-style-type: none"> • 99% efficient filtering to 3 micron particles • Hermetic and flanged models available • Filter and filter-drier available