W-OLC-12HD - Series Oil Level Controls

Application

For commercial refrigeration in multi-compressor parallel systems, except satellite compressors.

Features, Advantages and Benefits

* Float operated needle valve.
* Designed to be attached directly to the sight glass housing on the compressor crankcase.
* Five bolt flange 47.8 mm B.C models W-OLC-12HD.
* 3/8” SAE inlet fitting.
* Steel, nickel-plated flare fitting and flange connections.
* Neoprene o-ring and hardware included.
* Corrosion resistant electrostatic powder paint.
* Approved by: CUL file SA8547
* Maximum Working Pressure: 31 bar.
* Burst Pressure: 155 bar.

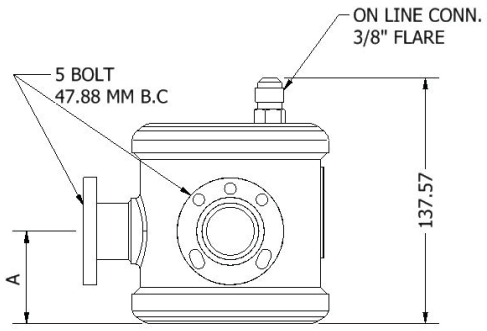
With the growing use of parallel compressors systems, the oil control system is a need to maintain the correct oil level in the compressor crankcase, regardless of the operating conditions. One of the components of this system is the Oil Level Regulator. The purpose of this component is to maintain the correct oil level in the crankcase according to the manufacturer’s specification, regulating the oil flow to the crankcase.

Our W-OLC series oil level controls are designed to control the oil level in each individual compressor of the parallel system, preventing wear or damage to compressor. They can be used with most of the compressors brands and models, of different dimensions or different refrigerant capacities in the same installation. Our W-OLC series oil level regulators permit some compressors of the parallel system to operate individually while others are idle.

When the compressor’s oil level is lowered, the float of the regulator is lowered too, opening the needle valve and allowing the oil from the Oil Reservoir to enter to the regulator and then to the crankcase. When the correct oil level is reached, the float is raised, closing the needle valve and the oil flow stops. Model W-OLC-12HD maintain the oil level in the compressor crankcase at 1/2” sight glass. They all maintain this level at any pressure differential between 5 and 30 psi, even if parallel compressors are at different levels and have different oil levels in each individual crankcase.

Oil level regulators have two flanged openings separated 90°. They can be attached directly to the sight glass housing of the compressor crankcase using the “O”-ring, bolts and nuts included with each regulator. The sight glass is assembled to the other flanged opening of the oil level regulator.

Dimensional Data



Model	Flange Size & Type	Oil Level Sight Glass	A mm (in)	On Line Connection	Operation ‘P (psig)
W-OLC-12HD	5 Bolt,47.8 mm B.C.	1/2”	52.55	3/8” Flare	5 to 90