



## Installation Instructions for Mechanical Oil Regulators (OLC) Models 20-590 Adjustable, 25-590 Non-Adjustable

There are two types of mechanical oil regulators, Adjustable and Non-Adjustable. Oil Level Controls are for multiplexed rack/pack systems. They are design to keep a constant flow of oil to the compressor and to keep its crankcase at the specified level. The vast majority of Temprite 920 “R” Series separators/reservoir users monitor the oil back to the Oil Level Control by adjusting the A-7 Pressure Reducing Valve to the pressure they desire. Please be aware of your system’s requirements.

1. Shut off power to the compressor.
2. Isolate compressor and oil separator feed from system.
3. Recover or recycle refrigerant from compressor.
4. **Be sure compressor is depressurized.**
5. Remove sight glass from desired side of the compressor. Save bolts and O-ring.
6. Mount OLC with previously removed bolts and O-ring.
7. Clean sight glass and install with “O ring” groove toward OLC flange with 1 O-ring, 1 Quad O-ring, bolts and nuts provided.
8. Tie into oil return line from separator or oil reservoir. Install shut off valve on OLC’s oil inlet.
9. The oil equalizer connection allows the oil level control to be interconnected, permitting oil transfer between a series of compressors. This transfer is sometimes necessary due to sudden increases in oil level from oil returning through the suction line.
10. Evacuate compressor and interconnecting lines.
11. Open any and all isolating valves.
12. Start up compressor and adjust oil level to the compressor manufacturer’s guide lines.
13. The OLC is shipped with the level, factory set to about 1/2 Sight Glass at 30 PSI pressure differential. For adjustable models (20-590), each turn (360 degrees) of the adjusting screw will change the level approx. 0.050” or 1.27mm. The screw can be turned about 9-1/2 full turns from top to bottom. DO NOT force the screw beyond these limits. For none adjustable models, (25-590) adjust the differential pressure.
14. After making a level adjustment, wait for the oil level in the system to normalize. The time it takes for the level to normalize depends on the size of the system and the pressure differential. Generally, the lower the pressure differential, the longer it will take.

For translations of these instructions, go to our website: [click here](#) or scan the QR code.



**Questions? Call 1-800-552-9300 or 630.293.5910 or email us at [temprite@temprite.com](mailto:temprite@temprite.com)**