Temprite™

Installation Instructions for All 920 & 920R Series Coalescent Oil Separators: Accessible

920 and 920R Series coalescent oil separators have a factory-installed Temprite Standard Filter. A second supplied filter is to be used as a replacement in 24 to 48 hours. Remember: Temprite Standard Filters will pick up all dirt and particulates down to 0.3 microns. Typical filters only catch 50 microns or larger. Follow all EPA guidelines and industry practices.

1. Locate the separator in a warm, draft-free area, or wrap separator with insulation. An electrical heater may be required for outdoor installation.
2. If using a mechanical Oil Level Control with an R model separator, a pressure-reducing valve is required on multiplexed compressors (Temprite A-7 Valve). Two (2) or more A-7 valves are required with split suction group systems.
3. Install the separator in a vertical position, close to the compressor, in between compressor and condenser, upstream (before) any bypass piping, i.e., hot gas defrost, heat reclaim.
4. Special consideration should be given to the location to not impede future filter replacement or service.
5. Clamp and support the separator and piping properly to minimize vibration.
6. Discharge lines into and out of the separator must not be smaller than the separator connection size.
7. Install pressure taps in these lines for reading pressure drop across the separator or for installing a Temprite Pressure Differential Indicator (PDI).
8. Charge the separator with the recommended amount of oil through the outlet connection before installing or starting the system. See label, or fill to the top sight glass on R models.
9. Keep the separator cool when brazing.
10. If the oil separator is lower than the condenser, keep liquid refrigerant out of the separator by taking precautions such as installing a check valve in the discharge line after the separator, or installing an inverted trap, etc.
11. Install solenoid in the oil return line for pump-down systems.
12. For retrofitted systems, you may want to start the system with a Clean-Up® Filter instead of a Standard Filter.
13. Frequently check oil level and pressure drop across the separator on new installations or retrofits.
14. Replace the filter after an initial 24 to 48 hours of operation or if the pressure drop across the separator exceeds 13 PSID/0.9bar.
15. Replace the filter if dirt loading causes a pressure drop of 13 PSID/0.9 bar differential across the separator.
16. After a compressor burn-out, use a Temprite Clean-Up® Filter. Monitor the pressure drop. Install a Temprite Standard Filter when the pressure drop across the separator stays below 13 PSID/0.9 bar.
17. For “R” models, the oil level should be maintained between the two (2) sight glasses.

Got a question? Call us at 1-800-552-9300 or check out our website at www.temprite.com