



Screen Replacement Instructions for All 500 Series Accessible Impingement Oil Separators

500 Series impingement oil separators have an internal screen that can be replaced if necessary. Models 501 through 505 have screens attached to the top plate. The 506 and 507 screen access is through the bottom plate.

1. Isolate oil separator from system.
2. Recover or recycle refrigerant from oil separator.
3. **Make sure there is no internal pressure in the separator. Failure to do so may cause injury and/or damage to equipment.**
4. Unbolt flange bolts and nuts. Put aside with washers, to be reused.
5. On Models 501 thru 505 you may have to disconnect the piping to remove. Carefully remove top plate or slide the bottom canister down to expose the screens.
6. Straighten the pins that hold the screens in place. Remove pins, to be reused.
7. Remove the screens.
8. Put new screen in position and push pin through holes and bend pin so it does not come out.
9. For the 506 and 507 carefully remove the float assembly.
10. Reach inside and remove nuts (to be reused) holding bracket that holds the screen in place.
11. Remove screen.
12. Install new screen, re-attach bracket with the nuts.
13. Thoroughly remove old gasket from groove. Be careful not to scratch the steel surface.
14. Place gasket in groove dry, and then apply oil.
15. Pre-charge the separator (see nameplate for quantity) with the correct type of oil.
16. Re-attach top plate or float assembly to flange by first, finger tightening nuts on bolts with lock washers, in between nut and flange face. Start with any given bolt and gradually tighten firmly to 18-20 ft-lb of torque. Tighten in "opposite bolt" pattern.
17. Reconnect any lines removed.
18. Evacuate oil separator and interconnecting lines.
19. Leak check.
20. Return separator to operation. Slowly open the isolating valves.
21. Monitor oil levels frequently.
22. Verify there are no leaks.

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