

FLEX COIL SETUP

For use with the MAC-TS4

NOTICE!



It is **EXTREMELY IMPORTANT** that this setup procedure be **COMPLETELY AND CORRECTLY FOLLOWED** for **EVERY TEST SETUP** using the flexible field coil with the MAC-TS4.

Failure to properly follow instructions may result in irreparable damage to the MAC-TS4, and/or serious personal injury or death.

Contact Vacuum Interrupters Inc with any and all questions regarding test setup **BEFORE ATTEMPTING TO OPERATE** the test set.

To set up the standard flex coil:

- Wrap the outside of the interrupter tightly with a piece of the included insulating paper to ensure any metal on the interrupter where the magnetic field coil will be wrapped is insulated. The paper may be held in place with a small piece of tape if necessary.



- Wrap the flexible coil around the center of the interrupter. In order to acquire sufficient magnetic field for the test, a **MINIMUM OF FIVE FULL TURNS** is necessary for accurate results.



ATTENTION!

If using the flexible magnetic field coil, it must be wrapped around the vacuum interrupter with each winding tightly against the next; otherwise the accuracy of the pressure measurement will be affected.

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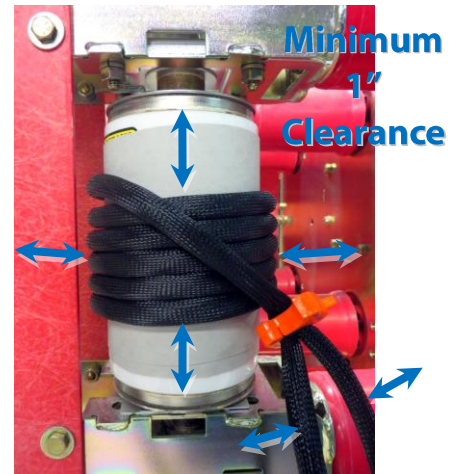
- c. Secure the flexible magnetic field coil with the included cable clamp to prevent it from making contact with the bus, bus brackets, or metal end-caps of the vacuum interrupter when testing is in progress.

ATTENTION!

An air gap of at least 1 inch (or a proper level of insulation), is required between the magnetic field coil and any metal fixtures that will have high voltage applied during testing. This includes, but is not limited to, metal interrupter end caps, bus bars, the MAC High Voltage test cable, and other related fixtures.

DO NOT allow the cables for the flexible field coil to touch the bus, high voltage cable, or to approach any surfaces that may have high voltage applied during testing. Failure to do so may result in arcing and/ or severe damage to the coil or test set.

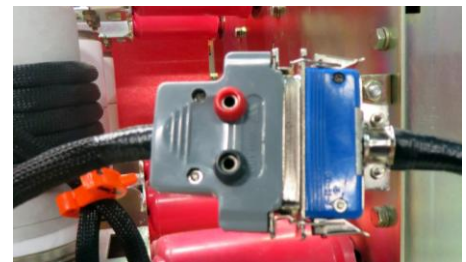
If it is not possible to meet these conditions, DO NOT PROCEED WITH TESTING. Contact Vacuum Interrupters Inc. to discuss your application.



- d. Connect flexible magnetic field coil connectors together with clips attached on both sides of the connector. Ensure that the flexible magnetic field coil is wrapped tightly around the center of vacuum interrupter where the contacts separate.

DANGER!

Damage may occur to test set if high voltage is applied to fixed/flexible magnetic field coil. Keep high voltage circuit and magnetic field circuit separated.



- e. After installing the flexible magnetic field coil, proceed with setup as described in the MAC-TS4 manual.

NOTICE:

If there are any issues or questions during installation, please contact Vacuum Interrupters Inc to discuss your application BEFORE attempting to test.