



Heater circuit indicator procedure

Single-trip foil heaters

This guide provides you with simple instructions to confirm the foil heater circuit is working. Refer to Argus Heating's *IBC Foil Heater Handbook* for detailed safety and testing information.

Foil heater circuit indicator

The circuit indicator confirms that your foil heater's circuit is intact and has not been damaged by any of the prior procedures during installation or transportation.

- This is an **uncalibrated indication** of the heater's circuit resistance.
- To allow for variables such as the test lead resistance, wider tolerances are used than those shown on the heater specification sheet.
- For accurate measurement use the electrical test equipment and procedures outlined in the foil heater handbook.
- Although this is not a calibrated test, a PASS does confirm the heating circuit will work and that your customer will receive a working heated IBC.

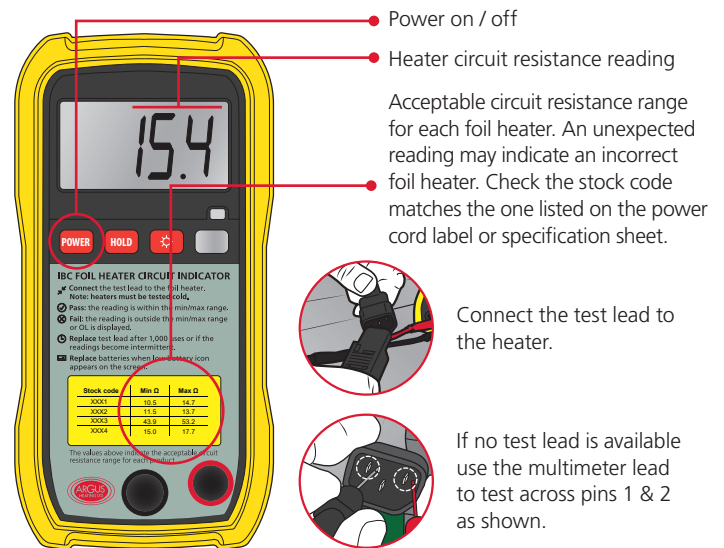
Importance of testing

Argus Heating recommends testing at every stage of the process.

- Testing before filling ensures the heater is working.
- Testing after filling ensures a heated IBC is being passed on to your customer.

The person carrying out the testing does not need a formal electrical qualification but they need to be trained on this procedure.

Local regulations may require different tests and the changes to test procedures must be made by an electrically qualified person.



Test procedure

- 1 Visually inspect the heater. Check:
 - a Power cord label to confirm you are installing the correct heater
 - b Power cord for damage
 - c Foil heater surface for damageIf the heater is not correct or the power cord / heater are damaged reject the heater.
- 2 Fill out the record of test results sheet (overleaf) with the product and company information.
- 3 Switch the circuit indicator on and ensure it is working. Follow the instructions on the device to connect the indicator to the heater.
Remember: heaters must be tested cold.
- 4 Read the resistance measurement showing on the display of the test unit and compare it to the acceptable range for your specific product. Record the results on the test sheet (overleaf).
- 5 If the reading is outside of the specified range, quarantine the heater and contact your supplier.



Record of test results Foil heater circuit indicator



Photocopy this page and use it to record the results each time you test foil heater circuit resistance using the circuit indicator.

Product stock code _____ Inspection date _____

Inspector name _____ Company name _____

	Heater serial number (Note the serial number printed on power cord label)	Visual inspection <input checked="" type="checkbox"/> (Check the heater and power cord are in good condition and undamaged)	Circuit resistance XX.X Ω (Note the test result measurement displayed on the multimeter)	Pass / Fail P or F (Pass if the circuit resistance measurement is between the min. and max. values on the heater power cord label)	Test operator initial
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