

The following steps will confirm if your glovebox is leak tight:

- 1 Shut off circulation for 20 – 30 minutes to allow the box temperature to stabilize.
- 2 Change the upper working pressure to 14 mbar and the lower working pressure to -14mbar
- 3 Using the right foot pedal, increase the pressure inside the box to 12 – 13 mbar.
- 4 Give the box a few minutes to stabilize, being careful not to touch the gloves throughout the pressure test. Note down the pressure minute-by-minute while it stabilizes and for at least 15 minutes thereafter.
- 5 The box should hold pressure somewhere above 10 mbar for five minutes with no loss.
- 6 If the box passes the above positive pressure test, use the left foot pedal to decrease the pressure to -12 mbar.
- 7 Once the gloves have been sucked into the box (you can tie them together on the outside to avoid your equipment if need be), give the box several minutes to stabilize. It takes a little longer for the pressure to stabilize at negative pressure.
- 8 The box should hold a negative pressure somewhere below -8 mbar for five minutes. It is permissible to have up to a 0.3 mbar per 5 minute leak rate for negative pressures on account of electronic drift.