

# REDPATH® PACIFIC LIMITED

## Manometer fitting and use instructions



The Manometer (Air pressure gauge) measures the air pressure between Twinskin covers and must be fitted in all inflated greenhouse covers to measure and assist with maintaining correct inflation pressure.

Select a location where the Manometer can be easily accessed - (side pole) fit the tube onto the top left inlet to the Manometer, remove the backing paper from adhesive tape and fit the manometer at eye level (ie, the "0" line at about 1.6m above ground level)

Where the tube will pierce the film stick the reinforced patch supplied to the film, cut a small cross in the centre of the patch and push the manometer air tube through the hole in the patch so that the tube protrudes about 100mm into the air space between the greenhouse covers. Use a small amount of silicon to retain the tube if necessary.

A cable tie may be required to hold the tube neatly to the pole and allow the tube to reach the roof cover. The tube is approximately 2.8m. Trim the length of tube as required.

Fill the manometer tube from the short open end with clean water until the level is about half way up indicator lines, it does not have to be exactly on the "0"

Do not colour the water, as this will may result in an incorrect reading.

The pressure in the twin skin will create a difference in the water level between each side of the manometer tube. This total difference measured in millimetres, is the inflation pressure. NOTE: the initial reading may take a short time to equalise.

Regulate the air-flow by adjusting the inflation pump air intake white centre cone to maintain the inflation pressure according to the size of the greenhouse covers. Suggested levels are:

Covers up to 4m wide	4-6mm difference
Covers 4-7m wide	3-5mm difference
Covers above 7m wide	3-4mm difference



**Use Redpath Air Pipe Flanges and 65mm Air Transfer Pipe for the connections between inflation fans & between covers.**

### **NOTE:**

- Take care not to over inflate the covers as high inflation pressures may have a damaging effect on the covers.
- In high wind conditions the cover pressure may need to be increased for short periods to assist with stabilising the covers. Reset the pressure to original settings when wind subsides.