

Manometer fitting & use instructions

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

Fit the Manometer vertically in a suitable position (e.g. pole at eye level) on a side pole to allow the tube to reach the roof cover. As the tube is approx 1.6m to produce optimum readings you may have to mount the manometer higher in some situations.

Fill the manometer tube from the short open end with clean water until the level is about half way up indicator lines. Do not color the water, as this will give an incorrect reading.

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.

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 millimeters, is the inflation pressure.

Adjust the airflow 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.

Important:

- 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.