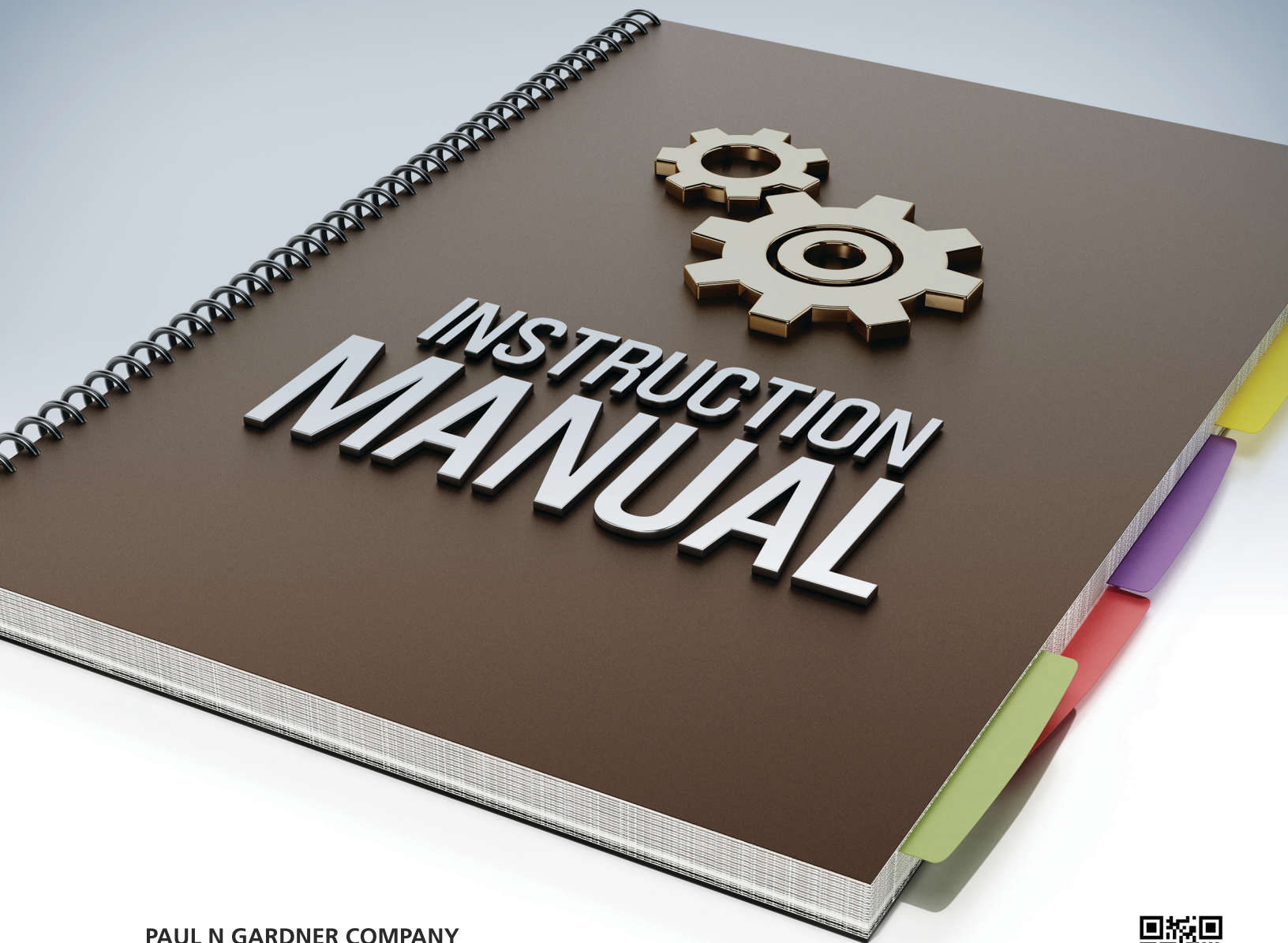




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INSTRUCTIONS

GARDCO DISTRIBUTED PRODUCTS





EcoMini Chiller installation procedure

Refer to the EcoMini manual for full installation instructions.

The below will guide you through the connection of the EcoMini to the MFFT instrument.
For best performance, the chiller should be installed on the same bench as the MFFT instrument.

Remove 2x plastic bungs blocking the inlet and outlet connectors on the front of the chiller.



Connect 2x fluid line to the chiller. They are the grey plastic and are push fit. Red hose should be connector to the outlet connector and blue to inlet.



Connect other end of the hoses to the Water Supply connectors on the left hand side of the MFFTB. They are metal and are push fit. Red hose should be connected to IN and blue to OUT connector,



Chiller filling procedure

Remove the cap from the tank lid on the top of the chiller.

Fill the tank to leave 10-20mm (0.4-0.8") of air between water line and where the lid seals. It is recommended that the chiller is used with deionised water.

Turn your attention to the power inlet rocker switch on the back of the chiller.

Immediately after toggling this switch the chiller will begin to pump water.

Turn on the MFFT instrument and set the operating range to 1.

Leave the chiller running until the water line drops to just above the lower outlet port, then turn it off, this may take a few minutes as the valve inside the MFFT needs to open. Once the valve opens the water can flow freely through the system.

When the water level drops turn off the chiller. Refill the tank back to original level, repeat until the level no longer drops when the pump is run.

Start the chiller by once again toggling the mains inlet rocker switch on the back of the chiller.

Leave the cap off the tank for >30mins to allow air to escape, or very loosely screwed on to prevent water splashing out of the tank.

Check the application and tubing for signs of leaks whilst the chiller is running.

Replace the tank lid fully when satisfied the system is full and bled of air.

Adjusting the temperature set-point

Press the key P then release it and the display will show "SP" alternating with the set value. To change it press the UP key to increase the value or DOWN to decrease it. The set point for use with the Rhopoint MFFT should be **+10deg C**.

The speed dial controls the duty of the compressor within the chiller. This directly translates to how hard the chiller works at cooling. For operation with the MFFT **set the dial to 8**.

