

Important Instructions for use of The Wedge Pro 6, 10, 12 and 20 system when air temps are forecast below 2 degrees

For units with the following control panel:



To prevent your tank and pipes from freezing during periods of low temperatures, the Wedge System must be left in the running position 24/7 and set in **HEAT** mode at the desired set point.

It's Important to ensure your heat pump is continuously powered and if your water filter pump is powered independently from the Wedge chiller unit that it **MUST** be set to run 24/7 during air temps below 2 degrees.

If your planning not to use your Wedge system for a period of time then it should be fully drained, cleaned and kept under cover to protect it during the winter months. This can be done by powering down and unplugging from mains, locking the bungs on the sides of your tank so that the hoses can be unscrewed and removed. Then you can drain everything, clean and package away under cover.

ESSENTIAL Steps to Run The Wedge system when air temps are below 2 degrees;

Step 1

Set the Wedge Unit to Heat mode either using the app or on the control unit. Set the temperature down to its lowest set point to heat which is 5 degrees C.

- Press the **Λ** key for 5s until the light toggles to show only a red light against the heat setting on the display
- Use the **V** key to lower the set point temperature to 5 degrees C
- This can also be done from the app by selecting HEAT mode and then lowering the temperature to 5 degrees
- Ensure that the unit is switched on so that you can see just the red light against heat mode and the current water temperature will be displayed on the LCD display. If the time is shown on the display then the unit is NOT powered on to heat.

Video Guide

https://drive.google.com/file/d/1UQfQoPWAuhX9bxqY9D-DfpWk3_Nw1Uur/view?usp=sharing

Step 2

Set the pump to run continuously. If it is wired into the Wedge then follow these steps;

- Hold the **Mode** button for 5s to enter the parameter settings
- Use the **Λ** and **V** keys to choose menu L32 and use the **Λ** and **V** to change this setting to **1**
- Press the **Power Button** to confirm this setting and return to the normal screen which should now show the current water temperature

Video Guide

https://drive.google.com/file/d/1KhMkC787YQ_FaaD92OmKCaNYv6QYABa/view?usp=sharing

Optional Step

If you wish to take advantage of the naturally colder water temperatures to as low as 2 degrees then you can follow these steps to change the differential on the unit. This is also more cost effective as the heater will come on less often.

If you follow this optional step the unit will only start to heat the water to protect itself when the water temperature drops 3 degree below the set point.

The factory set differential is set at 1 degree. This means that if the unit is set to Heat mode and the set target temperature is 5 degrees then with a differential of 1 that the heater will come on when the water temperature is 1 degree lower than the set point.

If we set the differential at 3 degrees then the heater will come on when the temperature is 3 degrees lower than the set point. So if we set the target temp at 5 degrees with a differential set to 3 degrees then the heater will come on when the water temperature drops to 2 degrees. The Wedge will then heat to the target temperature of 5 degrees.

DO NOT CHANGE THE DIFFERENTIAL TO MORE THAN 3 DEGREES FOR THE PURPOSE OF WINTERIZATION AS THIS COULD LEAD TO FREEZING OF THE UNIT AND OR PUMP.

To change the differential:

--Hold the **Mode** button for 5s to enter the parameter settings

-Use the **Λ** and **V** keys to choose menu L0 and use the **Λ** and **V** to change this setting to **NO GREATER THAN 3**

-Press the **Power Button** to confirm this setting and return to the normal screen which should now shoe the current water temperature

Video Guide

<https://drive.google.com/file/d/1Ygnz5rb0wfODdsEgEiawgVb2xUkjPtlw/view?usp=sharing>

https://drive.google.com/file/d/14_FbUavE8JGXWzvp7qVuMrfj-73PaWYL/view?usp=sharing

It is fine to also use the **COOL** mode during the winter months. We advise that if you use the **COOL** setting that you then switch the system back to **HEAT** mode as explained above to protect against prolonged periods of cold.

DAMAGE DUE TO FREEZING IS NOT COVERED UNDER THE TERMS OF THE WARRANTY