

# IMPORTANT! PLEASE READ BEFORE INFLATING YOUR WING

## **WING INFLATION PRESSURE - GETTING IT RIGHT!**

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Air frame inflation pressure (PSI) greatly affects the performance of your wing.

The materials and seams used to build your wing have been designed to withstand considerable inflation pressures. Please read below to maximize this performance.



Next to each inflate/deflate valve is marked a recommended **mid range** PSI. Depending on wind strength, body weight and other factors you can tune your inflation pressure slightly below or above this number.

### **When is high PSI a benefit?**

- Pumping up onto the foil, for example in lighter winds or when using smaller hydrofoil front wings, add one or two psi to the recommended pressure to provide more pump power.
- Using a wing in top end of its wind range, higher PSI resists air frame distortion.
- A higher PSI is recommended for heavier riders.

## **HEAT EXPANSION WARNING**

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If using your wing at max PSI in hot weather, do not leave your wing for prolonged periods in direct sunlight as the air will expand and possibly damage your air frame. When not in use, deflate and store your wing out of direct sunlight.

## HOW TO READ A PUMP GAUGE

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The inflate/deflate valves feature back draft gaskets. The air frame PSI gauge on your pump will read 0 psi when not actively pumping air into the wing.

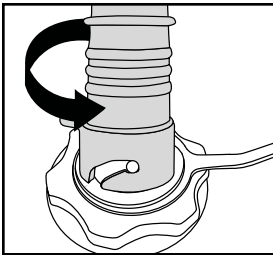
To see where your wing PSI is set, you must watch the pump PSI gauge during a pump stroke. During an inflation pump stroke the gauge will bounce up the PSI. Observe this number as it represents the PSI in the air frame.

## COLD WATER

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Many warm air locations may have very cold water. If your wing takes a tumble in cold water, the PSI can drop, momentarily leading to a softer than preferred air frame. Air pressure returns once the wing warms up, however in locations like this you may want a few extra PSI in your air frame if you know you'll be dropping the wing on occasion.

### DEFLATE TIP!



#### How to loosen a stubborn / tight valve:

Use your pump hose! Simply insert the head of your pump hose onto the valve and use the pump hose as grip to loosen the valve from the sealing plate.

