

Temper Assist Valve?

Our **Temper Assist Valve** minimizes air loss while inflating and improves your ability to increase the air pressure in your packraft. It is not a true one-way valve that other inflatables may have, which requires a pump to engage the spring and allow air to pass through. The new valve is a complement to our lightweight inflation bag and to the air capacity of your lungs.

How the valve works:

- To inflate, turn the blue dial counterclockwise to the closed position and thread the inflation bag onto the valve.
- While using the inflation bag, the internal flap will close and prevent air loss as you near capacity. The flap will not engage until there is enough internal pressure to push against the flap. Remove the inflation bag after you have added as much air as you can with it. A hiss of air may still escape at this point.
- Blow directly into the valve by mouth until you have added enough pressure to make the tubes of your boat firm. Thread the valve cap onto the valve to make an air tight seal. Before you launch, temper your boat in the water and add air until the pressure stabilizes, this may take a few times depending upon water temperature and the volume of your boat.
- To deflate, turn the blue dial clockwise to the open position to release air.
- **Store your boat with the valve in the counterclockwise closed position.** This will release the pressure on the flap and prevent it from creating a memory from the open position.

Maintenance, Tips and Troubleshooting:

- Keep the valve clean and free of sand and other debris.
- Make sure the gasket is seated in the valve cap, an extra gasket is included in your basic repair kit.
- Colder weather may affect how the plastic flap engages.
- The valve alone will not create an air tight seal, the valve cap with a seated gasket will do this.
- As your boat ages, the performance of the valve may or may not decrease due to a buildup of sand or improper storage in the open position.
- **Air escapes as I am using the inflation bag:**
 - Make sure the blue dial is in the counterclockwise closed position. Remember, the flap will not engage until there is enough internal pressure to push against the flap.
 - You may need to practice your inflation bag technique and efficiency. If there is too long of a pause between bags of air, you will lose some of the air from the previous bag full.
- **The valve does not engage upon reaching capacity with the inflation bag:**
 - Make sure the blue dial is in the counterclockwise closed position.
 - There is not enough internal pressure to push against the flap and close.
 - Try to put more air in with the inflation bag first, squeeze as much air as you can out of the inflation bag.
 - Place your palm on the stern and press firmly into the boat.
 - Place the palm of your hand over the valve to stop air loss.
 - Remove your hand and continue to add air by mouth until the flap closes. Do not remove your mouth from the valve between breaths.
 - You may need to help the valve close by a quick “suck back” breath after you have forced air in.
- **The valve flap seems to be closed, but I can still hear a hiss of air escaping:**
 - This is a somewhat normal occurrence, force a little more air in and quickly seal the valve with the valve cap.
- **Valve cap gasket is missing, no spare:**
 - After you have topped off the air pressure, place a piece of plastic from a zip lock or other source over the valve and thread the cap over it securely. You may need to use two or more layers of plastic to create an air tight seal.