

# Aqua Lung America **TECHNICAL BULLETIN**

April 4, 2006  
No. 17

## **SUBJECT: Apeks Second Stage Diaphragms**

### **Products affected:**

- **ATX model second stages produced prior to January 2003 (serial number 3010351 and below).**
- **TX model second stages produced prior to March 2004 (serial number 4031557 and below).**

Aqua Lung has received limited reports of distortion to the second stage diaphragm (p/n's AP5803 & AP2023) on the Apeks ATX and TX line of regulators.

The problem has been traced to ozone exposures at higher than normal levels. When exposed to high levels of ozone the diaphragms could distort and shrink in size. This distortion will not cause a problem with a regulator currently in service as the diaphragm is held securely in place and cannot be dislodged.

During annual service, inspect the diaphragm for any signs of distortion. If there are no signs of distortion the diaphragm is safe to reuse.

If a diaphragm is seen to be distorted it must be replaced by the current diaphragm design . If there is any doubt, the older diaphragm design should not be reused.

Both models of diaphragms (AP5803 & AP2023) have been redesigned using improved materials.



**Should you have any question regarding this issue,  
please contact our customer service department at:  
(877) 235-DIVE for a replacement.**