



# Product Bulletin

Title: Tie snapped on RS2 Date: January 14, 2014

---

## Incident

Tie broke on demo unit while demonstrating the RS-2 the tie snapped close to the pin when bending.

## Product Background

The RuptureSeal Practice Unit (RS-PU) is designed with a releasable mechanism to allow the end user to practice with the unit to become proficient in deploying the product. This is also designed to allow the product to be demoed by sales persons. It is also important to keep in mind that the RS-PU is only designed for so many demo's or practices and then the locking mechanism will wear, the pin will come loose or the tie will dry out. It is for these reasons the ones designed for actual leak deployment are not releasable. This is also the reason we have a 3 year expiry on the product.

The tie on the RuptureSeal is made of nylon 6-6 is hygroscopic which means it has the ability to take on and release moisture. We discovered this early on in the development of the product and designed our manufacturing process to allow optimal moisture retention in the tie. This is done by doing a controlled moisture saturation to allow the tie to maintain its flexibility and not become brittle.

The second part of controlling the moisture in the tie is the design of the packaging. After the RuptureSeal assembly process is completed it is placed in the clamshell packaging. On the units designed for deployment, you will see stickers on them which say "do not open until ready to deploy" this sticker is there to prevent the package from being opened and drying out the tie as well as someone opening it up and pulling the handle.

- We have not had any incidents of ties snapping on the RuptureSeal used for actual deployment
- We have not had any incidents of ties snapping on the RuptureSeal used by end users for practice as they are immersing the RS-2 in water which will rehydrate the tie.

## Solution

To extend the life of the RS-2 used for demonstrating, it is recommended that it be returned to the original packaging after each demonstration. If using the countertop display, it is recommended to submerge the tip of the tie in water every few weeks for approximately 20 minutes.

**If there are any questions concerning this bulletin please contact our product line information toll free number at 1-855-345-7325**