

## Information for proper use of Covetrus Self-Seal Pouches and Sterilization Rolls

1. The products are suitable for steam pressure or ethylene oxide sterilization. Sterilization temperature should not exceed 135°C

| Sterilization method | Temperature | Max. time | EO concentration |
|----------------------|-------------|-----------|------------------|
| STEAM                | 121 °C      | 30 mins   |                  |
|                      | 134 °C      | 4 mins    |                  |
| EO                   | *           | *         | 600 mg/l         |

*\*set according to your specific sterilizer model*

2. **Check the sealing integrity of the packaging bag before use.** If it is damaged, do not use it.
3. The **color-changing indicator** of this product will become ineffective when exposed to water. If the steam saturation is not high enough, the color-change will not be complete.
  - ➔ We recommend to daily perform the Bowie-Dick Test for pre-vacuum steam sterilizers to ensure proper air removal and steam penetration.
4. The **color-changing indicator** can only prove that it has undergone the sterilization process but **cannot confirm the sterilization effect**.
5. **Do not place any absorbent items in the products** - such as towels or cotton balls. These items **will damage the sterilization bag** due to water accumulation.
6. **Preventing adhesion issues during sterilization**
  - a.) **Foil adhering to contents** placed in self-seal pouch or sterilization roll
    - ➔ use clean, non-woven fabric to wrap the item for isolation, place the wrapped item inside, seal the pouch and place it into the autoclave as usual.
  - b.) **Paper adhering to sterilization tray, rack, or basket**
    - ➔ lay a sheet of clean, non-woven fabric on the tray, rack, or basket, place the pouch or roll on top with the **paper side facing down** and put into the autoclave like this.

Note: The **non-woven fabric can generally be reused if it is not dirty or damaged**. If it is, use a new and clean one for next use.
7. **To avoid edges to burst open**, please select packaging bags of a suitable size based on the size of the items to be sterilized. **There should be a distance of at least 2.5 cm between the item and the edge of the heat seal.**

**If the height of the items to be sterilized is 3 to 5 cm, the distance to the edge of the heat seal should be at least 1,5 times the height.**

**If the height of the items is more than 5 cm, it is recommended to use gusseted pouch/reel.**
8. Our sterilization products are made of paper. Please take care to **protect it from sharp objects**.
9. It is recommended to disinfect and sterilize different types of instruments **in batches**. If the materials to be sterilized are mixed, **textiles should be placed vertically on the top layer and metal instruments on the bottom layer**.

Applicable for our range of:

Self-Seal Pouches: Item codes 2802340 – 2802344  
 Sterilization Rolls: Item codes 2802345 - 2802351

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10. Self-seal pouches and steri rolls **should be placed vertically on their side** to facilitate good circulation and prevent steam accumulation (water stains).
11. Special sterilization racks or baskets should be used for loading sterilization items and gaps should be provided between the sterilization packaging units.
12. When loading the autoclave, please ensure that the **paper side is facing the paper side and the film side is facing the film side.**

This requirement is based on the ANSI/AAMI ST79 Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities.

13. Rotating parts and bearing areas of instruments require regularly lubrication. **If water or oil stains are found on the paper surface (inside or outside)** after sterilization, please make sure that **any lubricant oil on the instrument is wiped off.** Then wrap the instrument with non-woven fabric and place it into the self-seal pouch for another sterilization cycle. Also please check if the lubrication oil used is suitable for exposure to high-temperature steam sterilization without melting.

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