

 **Sealed Air**

CRYOVAC[®]

Food Packaging Systems

Scavenging Verification System

Rapid Scavenging Quality Assurance for Cryovac OS Films



QUALITY ASSURANCE FOR OS FILMS:

The invisible oxygen scavenger in Cryovac® OS Film actively reduces oxygen concentrations in your package. Cryovac has patented a cutting edge technology that quickly verifies that the OS Film is scavenging oxygen properly.

SCAVENGING VERIFICATION SYSTEM (SVS):

Using standard headspace analysis methods, you may need to wait 12 to 24 hours before a significant drop in oxygen concentration can be measured. This is because products often have trapped or dissolved oxygen in them. The oxygen will slowly release back into the package headspace, causing the oxygen concentration in the package to increase initially. This makes it difficult to detect the required oxygen concentration reduction immediately after packaging.



The Cryovac SVS provides a simple “go / no go” confirmation of scavenging in less than three hours when the OS Film is properly triggered. Positive results are frequently achieved in less than one hour. Without a doubt, this is the fastest method available to confirm that the OS Film is scavenging.

NO CHANCE OF A NEEDLE STICK! HOW DOES THE SVS WORK?

- A pressure sensitive SVS label is applied to the scavenging side of the UV activated OS Film.
- Trim around the outside of the label with a scissors to prepare the label – OS Film sample for testing.
- Insert the trimmed sample into a SVS sample port.
- The test is initiated by first scanning the barcode on the port followed by scanning the barcode on the label.
- Once the test is started, the computer will continue to take readings from the test port until it confirms that either an acceptable or unacceptable result occurs.

With the fast SVS response, Cryovac® OS Film customers can determine process or film problems before significant amounts of product are packaged.

EQUIPMENT:

- The appropriate number of three cell (SVS3) or six cell (SVS6) test units to for each installation.
 - These units typically support one or two packaging lines, respectively.
 - SVS3 units are easily upgraded to SVS6 capabilities by installing three modular SVS test cells, if later expansion is required.
- One bench top computer loaded with the proprietary SVS software is provided with the system.
 - Each computer is capable of running up to twelve test cells.
- One hand held bar code reader
- Units are designed to be used in a lab or office environment

DIMENSIONS:

- Bench top computer and monitor – 24” wide by 24” deep by 17” high
- SVS3 and SVS6 test units – 20” wide by 16” deep by 12” high

UTILITIES:

- USA – 110 volt, 60 Hz, 15 amp
- Outside the USA - electrical power requirements can be accommodated



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