



# VCR® Face Seal Fitting Installation Seminar

2 Hour Lecture-Lab | Hands-on Installation Exercises

## Proper Installation Prevents Problems

**The fitting must maintain a leak tight seal on the most highly toxic, corrosive and flammable fluids ever developed by man.**

Over the last thirty plus years the Swagelok VCR® Metal Gasket Face Seal Fitting has remained the preferred fitting in the semiconductor industry for high-purity gas delivery systems.

The fitting typically provides a reliable make-and-break point in an all welded system. You may ask, why do they use a mechanical fitting in an all welded system? To facilitate fast, easy, reliable maintenance.

Components installed in a high purity system tend to be more complex and costly than components in other systems. When these components fail, repairs must be completed quickly, with minimum disruption to facility operation. In the semiconductor fabrication world, time is money.

The applications and the fluids contained by VCR fittings are some of the most demanding in industry. The fitting must maintain a leak tight seal on the most highly toxic, corrosive and flammable fluids ever developed by man.

The fitting must maintain system integrity and purity under a wide range of operating conditions. It must perform reliably in situations where it is reassembled numerous times. Understanding how to optimize the performance of the VCR Fitting is the goal of this class.

## How Can Swagelok Training Help?

The seminar is a lecture-lab that presents VCR Metal Gasket Face Seal Fitting Installation through the use of graphic illustrations, video training, product samples, and hands-on demonstrations and exercises designed to encourage student participation. Students graduate with thorough knowledge of fluid system fabrication techniques.

The seminar focuses on the following subjects:

- The key design elements of face seal fittings.
- Considerations when installing the fitting in ultra-high purity systems.
- Review of important installation techniques which will extend the life of the fitting and assure leak tight systems.
- Troubleshooting exercises designed to help the student identify the most common installation errors.
- Identification of VCR gasket types, options and usage.
- Installation exercises for common VCR configurations and gasket types.

## Who Should Take This Seminar?

System fabricators, contractors and technicians will benefit from the hands-on installation exercises. Engineer and draftsmen will have a better understanding of how the fitting functions, its strengths and its limitations. Anyone who specifies or purchases high-purity gas system components will find the class very informative.

**Where: Swagelok Northern California Or At Your Location**  
**3393 West Warren Ave**  
**Fremont, CA 94538** (Book It For 5 Or More Associates)

**Price: Varies by Number of Associates and Location**

Register at [northernca.swagelok.com/events](http://northernca.swagelok.com/events)

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