

# Valve Selection Seminar



## Swagelok Northern California Formal Training Program

It's not uncommon for our sales personnel to receive a call from a prospective valve user requesting a quote that goes something like this:

***“....and I need 2 pieces of a 1/4-inch needle valve.”***

Normally, we respond: “OK, we will need a little more information to process your request.

Are you specifying 1/4-inch end connections or is that a 1/4-inch orifice you require?

Will this needle valve be used to control flow, to provide “on-off” service, or is it a combination of both?

Will the valve be operating in a...etc., etc., etc.”

These questions will continue until a series of decisions are made regarding the valve and the type of service it will see. It's very difficult for you to choose the correct valve for an application with no more information than “it is a 1/4-inch needle valve.”

The safe selection of the “right” valve for an application may appear to be a complex task, yet in reality it can be broken down into a simple, step-by-step decision making process that can be mastered by anyone attending this seminar.

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For additional information regarding the  
**Valve Selection Seminar**,  
please contact Swagelok Northern California at:  
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# The class is a lecture-lab that presents Valve Selection in a logical, easy to follow sequence.

The objective of the class is to eliminate the guess-work in valve selection; thereby minimizing ordering errors, reducing the potential for the misapplication of valves, and avoiding the costs associated with a valve failure.

The class is a lecture-lab that presents Valve Selection in a logical, easy to follow sequence. Our goal is to provide each student with the ability to employ a “decision-tree” designed to guide him to the right valve for a specific application.

This is accomplished by covering the following topics:

- Valve Functions – defining the four basic functions valves perform.
- The dynamics of valve operation.
- Understanding system conditions (temperature, pressure, system fluid,

environment, etc.) and the role they play in valve selection and performance.

- A glossary of small valve terminology.
- Simplifying the process of determining the flow requirements of your application.
- Valve construction, sealing techniques, and options.
- Basic valve troubleshooting.

The course objectives are accomplished through the use of graphic illustrations and cut-away product samples. The product samples provide hands-on knowledge of valve operation and function.

If you select valves, purchase valves, install valves, operate valves or maintain valves you will benefit from participating in this class. It's impossible to predict when you may be called upon to select a valve. Often the need to



choose a valve is necessitated by an emergency where a simple remove-and-replace with the “identical” valve is not possible. A spare replacement may not be readily available and the most expedient measure is to find a suitable alternative. That's the time when you will really appreciate the knowledge you gained from this seminar.

## Each student receives

- ✓ Useful reference materials.
- ✓ A certificate of completion that certifies completion of valve selection training.

## Class Details

The class is 1-1/2 to 2 hour lecture-lab. The length depends on the degree of interaction between student and instructor. The training can be accomplished at the customer's facility to minimize the impact of key personnel being away from the plant.

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