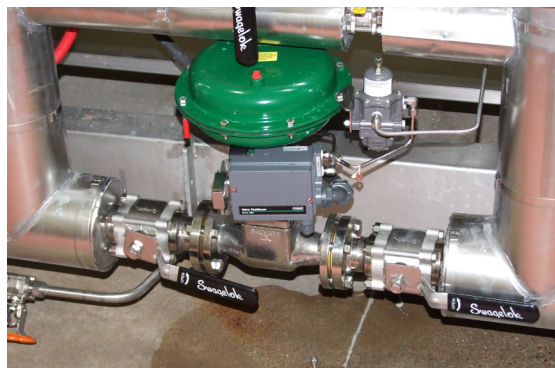


MAINTAINING SAFETY IN YOUR STEAM SYSTEM



Steam Valve Selection Webinar

Wednesday, August 7th

9:00 am to 10:00 am

Presented by: Kelly Paffel, Swagelok
Steam System Technical Support Expert

Topics to be covered include:

1. Overview of all valves used in steam

- Overview of types of valves used in the steam system
- Steam applications and what type of valve to use in each
- Operational design of each valve

2. Knowing the codes to ensure proper valve compliance

- What codes apply
- Ensure a safe operation valve
- Application information needed for code compliance
- Material selections (temperature and pressure relationship)

3. Leak rates for valves

- Knowing the internal leakage rates for valves
- Why it's important

4. How to achieve a reliable valve

- Life expectancy and what makes a valve reliable

5. Installation of steam valves

- Best practices

6. Overview of control valves

- Knowing turn down capabilities
- Best practices for the installation of control valves

7. Testing steam valves

- How to test valves using today's technology

To register for the webinar, you can:

- Scan the code to the right or
- Email ashton.jones@swagelok.com



Kelly Paffel Biography

Kelly Paffel is a recognized worldwide authority in industrial steam systems with 41 years of experience in steam, compressed air systems, and power operations. Currently, Kelly serves as Swagelok's Steam System Technical Support Expert.

Over the past 38 years, Kelly has conducted thousands of steam system assessments, project management tasks, turnkey projects, product design, engineering assignments, and training sessions. From this experience, he has a real-world grasp of how to identify and resolve actual and potential opportunities to improve the functioning of steam systems. He has worked with companies in various industries, including manufacturing, paper, refining, chemicals, food and beverage, automotive, and energy, helping them achieve over \$530 million in energy and production efficiency gains.

A mechanical engineer who has excelled in the field of steam, Kelly has long been recognized as a go-to steam system expert. He is an experienced lecturer known around the world for his publications, which include 42 technical papers on steam and compressed gas system design and operation and 72 steam system best practices.

Kelly has also achieved the highest certification in Steam Systems, Level VI, and now instructs students in classes who hope to achieve the same goal.



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