

Level Set

Swagelok Pressure Regulators reliably maintain pressure levels in your industrial fluid systems – ensuring that media is contained and transferred under optimal pressures to protect you, your processes, equipment, and end products.

Here's how we can help solve

5 COMMON Regulator-related CHALLENGES:

1 CHOOSING the “Right” Regulator

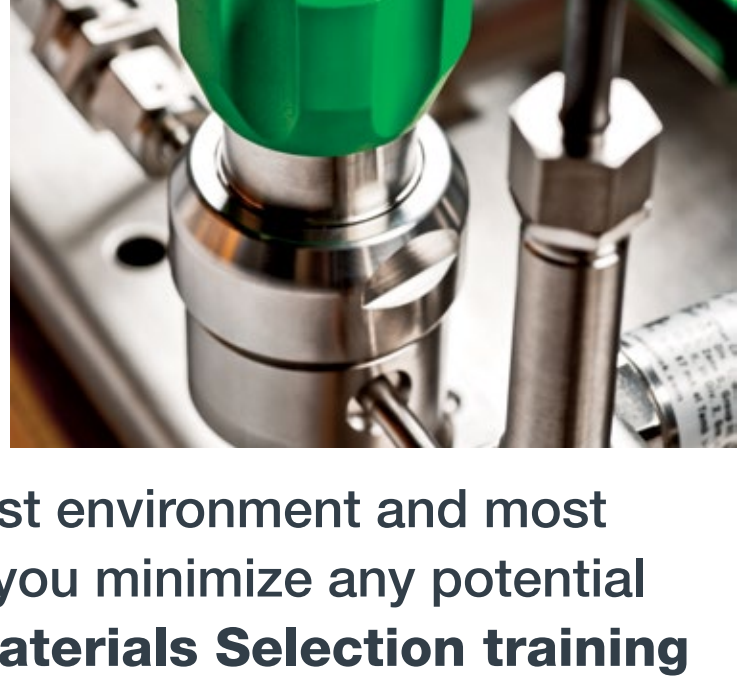
First, know which type you need: pressure-reducing or back-pressure? Also, does your choice have the proper inlet/outlet pressure ratings, temperature rating, flow capacity, venting, and end connections for your specific application?



Our **self-service** assets, including sizing tools, flow curve generator, and a Jules Thompson Effect calculator, and **system experts** will gladly advise you on regulator selection, while also assessing your current systems. These Swagelok professionals can even design and build gas distribution subsystems for you.

2 MAINTAINING Chemical Compatibility

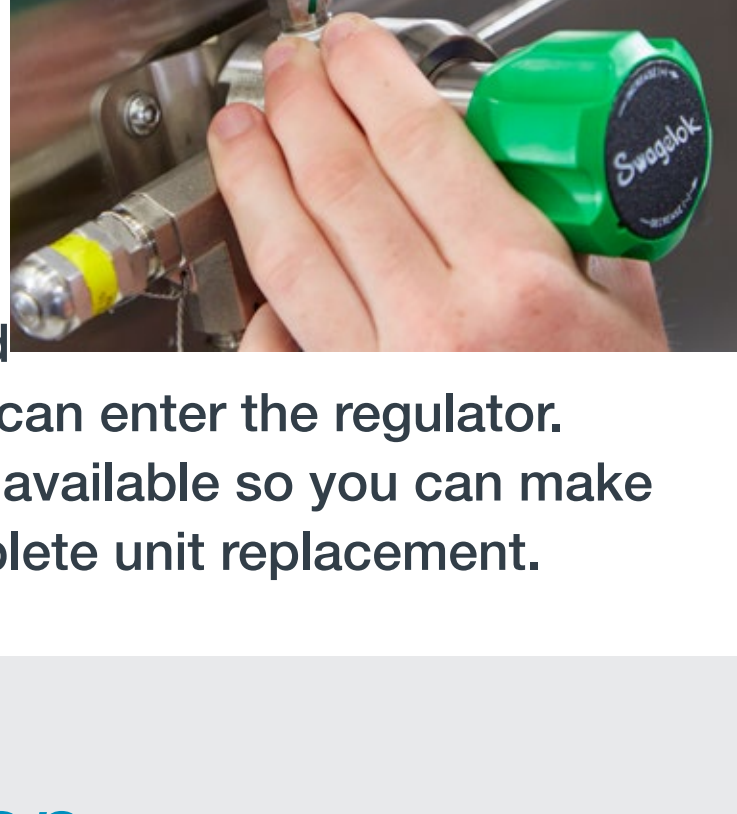
Even if you've chosen the properly sized and rated component for your work, other factors could jeopardize your regulator functionality, resulting in unplanned downtime and unexpected replacement costs.



Swagelok regulators are made of corrosion-resistant alloys and built to withstand the harshest environment and most daunting types of fluids, helping you minimize any potential for degradation. We also offer **Materials Selection training** to give you the know-how to avoid compatibility issues involving your components and system fluids.

3 COMBATTING Contamination

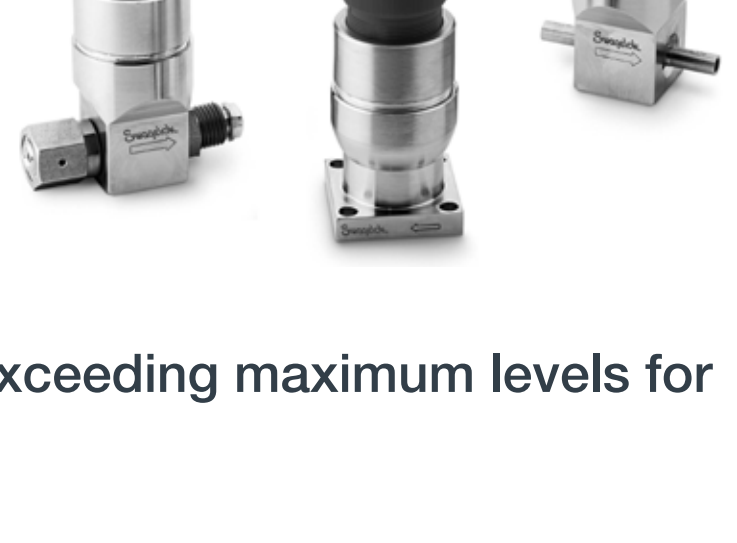
Are particles trapped between a poppet and seat? Has fine debris accumulated over time, causing leakage and imprecise pressure control?



Swagelok regulators thoroughly mitigate contamination and, if it does occur, make repairs fast and easy. Our specially designed **inlet filters** trap debris before it can enter the regulator. **Swagelok Spare Parts Kits** are available so you can make quick/simple fixes versus a complete unit replacement.

4 MINIMIZING Pressure Creep

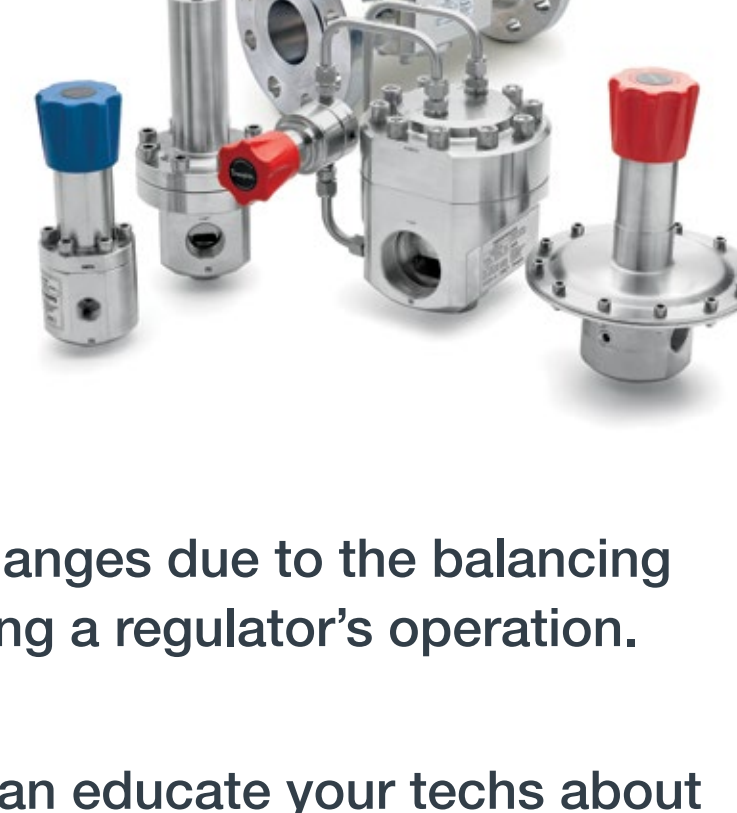
Prevent seat leakage from leading to system shutdown due to upstream pressure leaking to the downstream side of the regulator, causing overpressurization. That means your techs must then spend considerable time troubleshooting your issue to find and fix the seat damage. Workers could be put at risk if creep leads to pressure ratings exceeding maximum levels for your components.



Our **Swagelok Field Engineer** can visit your facilities for a first-hand diagnosis of your system issues. He might suggest safety valves for your downstream operations or, perhaps, shutoff valves at the inlet of a regulator. Let us help totally minimize your safety and/or labor concerns!

5 ACCOUNTING FOR Supply Pressure Effect

Don't let SPE potentially harm your workers or profitability. In some cases, SPE could jeopardize test results when precise pressure control is absolutely required. In extreme circumstances, it could pose a risk to your laboratory staff. But, in most instances, it leads to wasted troubleshooting efforts because your gauges are showing unexpected pressure changes due to the balancing of forces and fluid dynamics during a regulator's operation.

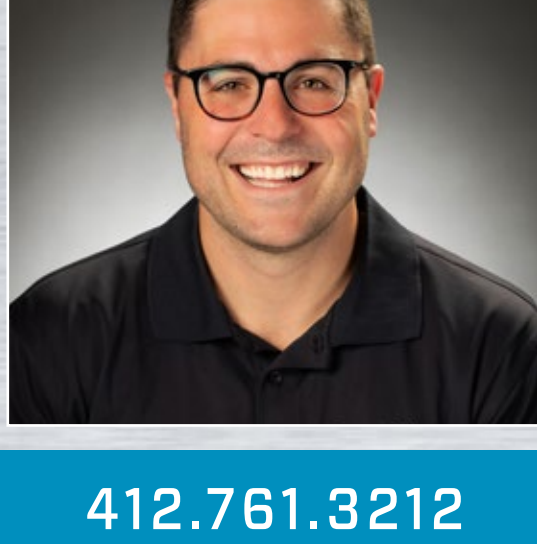


Our **Swagelok Field Engineer** can educate your techs about this phenomena, while also assisting them in choosing a regulator design that will negate SPE in applications where pinpoint pressure control cannot be compromised.

For more information, contact:

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412.761.3212

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Products | Strategic Support Services | Application Know-How



The Brand. The Inventory. The Expertise.

WE'RE YOUR SWAGelok FLUID-SYSTEM SOLUTIONS PROVIDER



Industry-Best Componentry



Masterful Custom Fabrication



Expert Safety Training



Extensive Energy Evaluations



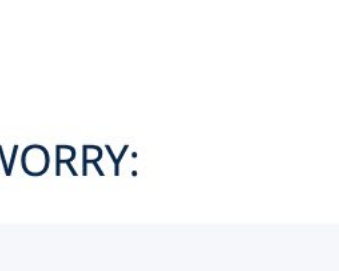
Unparalleled Application Knowledge



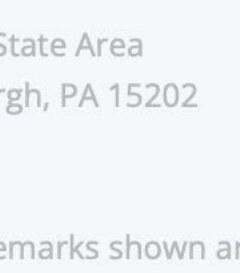
Comprehensive Hose Advisories



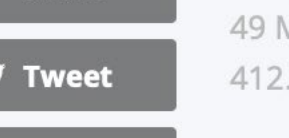
Proven Inventory Management Support



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