



Data Center

Reliable Fluid Systems for Data Center Backup Power

Protect uptime all the time

When primary power fails, backup power systems must perform—immediately and reliably. From diesel generators to lube oil systems, even small leaks can compromise startup, safety, and runtime. Swagelok helps data center operators, engineers, and EPCs build leak-tight, reliable fluid systems that support dependable backup power performance—during testing, startup, and extended run events.

The Challenge: Backup Power Can't Afford Failure

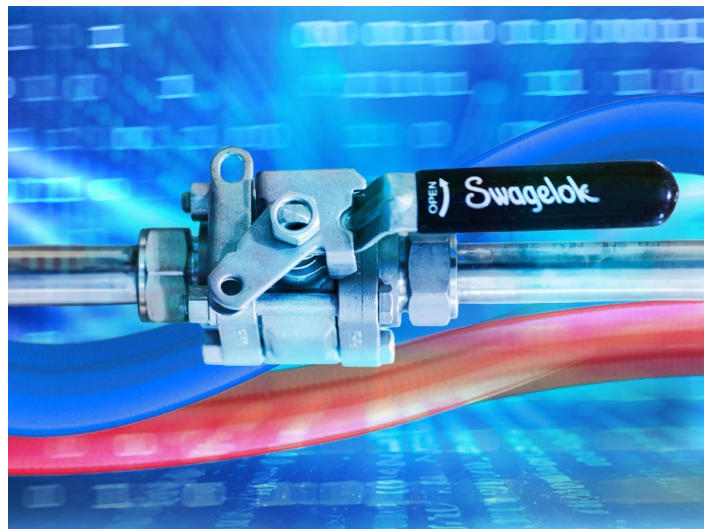
Generators may sit idle for extended periods, yet they are expected to start instantly and perform at full load when utility power is lost. Even minor leaks or inconsistencies can delay startup, compromise safety, or interrupt sustained operation when uptime is most critical.

With limited access for repairs during emergency operation, backup power reliability depends not only on the generator itself, but on the integrity of every fluid system supporting it.

Swagelok Solutions for Backup Power Systems

From initial installation through testing, standby operation, and emergency runtime, Swagelok components are designed to maintain leak-tight performance in the demanding conditions common to generator applications.

Beyond individual components, Swagelok brings application expertise to help customers design, assemble, and maintain fluid systems that perform reliably over time. Standardized approaches, consistent component selection, and proper assembly practices help reduce variability across systems and sites—supporting greater confidence when backup power is needed most.



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Designed for Demanding Backup Power Environments

Swagelok components are engineered to support critical generator subsystems, including fuel supply and return, lube oil circulation, cooling and heat exchange loops, exhaust aftertreatment, and instrumentation.

- Tube fittings designed to help maintain leak-tight performance during startup, vibration, and pressure fluctuations
- Valves and hoses engineered for compatibility with diesel fuel, lubricants, and cooling media
- Material and finish options suited for high-temperature and corrosive generator environments
- Consistent component selection to support modular system designs across sites

Support That Goes Beyond the Component

- Application-specific guidance for fuel, lube oil, cooling, and instrumentation systems
- Assembly training to help ensure proper installation and long-term performance
- Standardization recommendations to reduce variability across generator platforms and facilities
- System evaluations to identify potential leak points, contamination risks, and reliability concerns before failures occur

By combining engineered products with practical, field-informed support, Swagelok helps data center operators, engineers, and EPCs reduce unplanned downtime, simplify maintenance, and improve confidence in backup power systems—before they're needed most.



Let's talk about your backup power system reliability

Let's strengthen your backup power reliability—connect with your local Swagelok team to reduce fluid system risk through leak-tight components, standardized solutions, and application expertise built for performance when it matters most.

Please visit Swagelok Southern California at www.socal.swagelok.com. You may also reach them via phone at (800) 252-7087 or email info@socal.swagelok.com.