

PREMIUM GAS DELIVERY



Get Gas Safely and Efficiently – Right When and Where You Need It

A safe and continuous supply of gases to support critical applications is essential to almost all industrial sites. However, because gas delivery is often deemed a “utility” – and no one department usually takes ownership of such – opportunities to better control costs associated with this process are sometimes minimized or, unfortunately, totally overlooked.

First, here’s what an effectively operating Gas Distribution System – the network of tubes, pipes, and other components that transports pressurized gas from the source to the point of use – actually does:

- Provides access to the gas supply
- Reduces the source pressure to a lower constant
- Enables an uninterrupted gas supply
- Helps manage reactive, toxic, corrosive, or high-purity gases

Next, here’s what can happen if a gas distribution system malfunctions:

- Escaping gases can cause serious burns/injuries to nearby workers
- Overpressurization can damage sensitive and valuable downstream equipment
- Leakage of hazardous gases could pose extremely dangerous risks to staff and machinery



So, how do you build a safe, reliable gas distribution system?

Start with the proper subsystems:

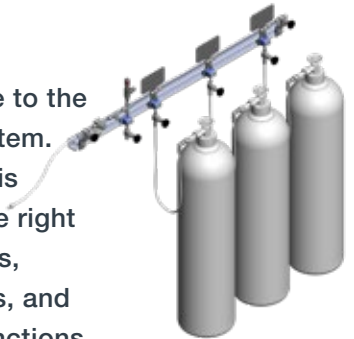
Automatic Gas Changeover Panel...

switches from one gas source to another to ensure an uninterrupted supply to critical usage points – accomplishing this via staggered set points of two pressure regulators.



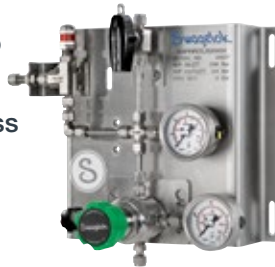
Source Inlet...

connects the high-pressure gas source to the gas distribution system. Make sure the inlet is constructed with the right cylinder connections, hoses, tubing, filters, and vent/purge/relief functions.



Primary Gas Pressure Control Panel...

ensures that the source gas is delivered at the correct flow rate to the system's next stage. A single pressure regulator or a dual-process regulator secures desired pressure reduction, though pinpointing ideal inlet and delivery pressures is always a major challenge.



Point of Use...

subsystem, with a pressure regulator, gauge, and an isolation valve, gives operators a simplified, convenient, and accurate method to adjust pressure.



Here's how we can be of further help:

Your local **Swagelok Pittsburgh | Tri-State Area** fabrication technicians can expertly design and build you a Gas Distribution System with minimal threaded connections to drastically reduce potential leakage. In addition, what we deliver to you will be thoroughly tested and intuitively simple to install, operate, and maintain. All components will be clearly marked so user errors are virtually eliminated.

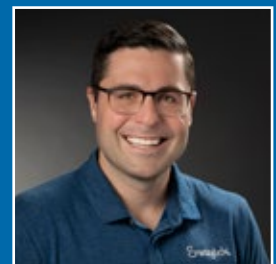


Support: Visit www.swagelok.com/en/blog/improve-gas-delivery-safety-efficiency

For complete details on our Panel Design and Build capabilities – Gas Distribution, Grab Sampling, Mechanical Seal Support – contact:


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