

# Instrument Gas & Fuel Gas Panels

## Standardised Gas Panel Solutions at your fingertips.

### Instrument Gas & Fuel Gas Panels

Instrument Gas Panels provide a low cost alternative to Instrument Air by tapping into the readily available gas supply & avoiding power consumption & servicing requirements for compressed air packages.



Fuel Gas Panels tap into the same available clean gas, to provide fuel to Gensets and remote power generation packages.

The same Swagelok components used throughout your facility can be easily packaged into standardised, configurable single-train or dual train (duty/standby) Instrument/Fuel Gas supply panels, for CL150 through CL1500 gas supply.

Gas pressure is reduced via 2-stage pressure reduction to nominal 700kPag supply pressure, delivering clean, dry gas at flow rates from 1Nm<sup>3</sup>/h to over 220Nm<sup>3</sup>/h required by various instrumented control systems and modular gas driven Gensets.

Swagelok can help by providing;

- Regulator & Relief Valve sizing and flow curve calculation & review
- Joule Thomson cooling & flow simulation for energy recovery for package performance
- Data sheet review & Design support - CAD & P&ID
- Panel operating workflow documentation
- Swagelok Limited Lifetime Warranty

### Why Are Standardised Solutions So Popular?

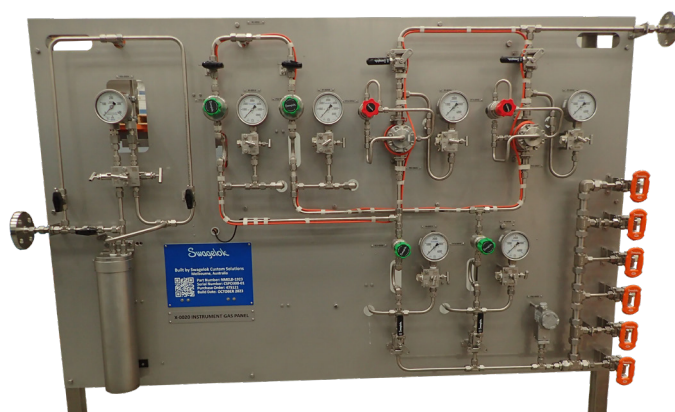
With global skills and labour shortages, businesses are looking for ways to reduce costs and be more efficient.

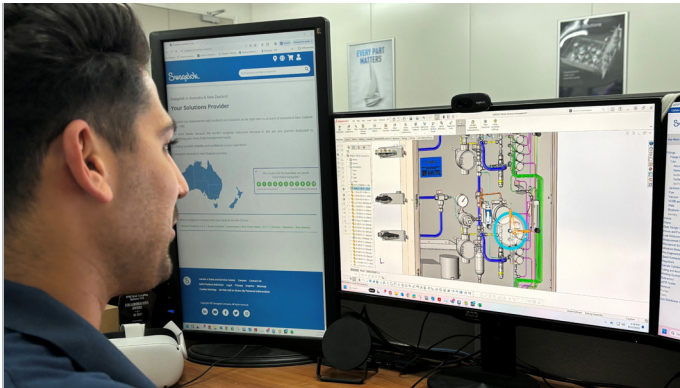
Standardised systems using the same design means significantly less design work and less training for operators, resulting in safer execution of SOP's, less errors and reduced risk on-site at your facility.

With a focus on emissions and the environment at the forefront of social consciousness, Swagelok are being relied on more to build complex systems, shelters, analyser panels and Instrument Gas Panels. Why?

Certified installations, the highest quality components and standard Swagelok pneumatic testing performed with N<sub>2</sub> & He sniffer tests, detecting the finest of leaks.

All assemblies are covered by the Swagelok Limited Lifetime Warranty.





## SWAGELOK FABRICATION PROCESS

### Concept Phase

Field Engineers support evaluation of your existing or planned new systems

- On-site system evaluations, looking to improve design
- Review technical specifications & standards
- Fully scope delivery expectations and needs

### Design Phase

Application Engineers support product selection & design

- Regulator & Relief valve flow calculations
- Product selection advise
- Includes all P&ID and 3D CAD models

### Build Phase

Experienced fabrication team assemble your system

- Scheduled sourcing (reducing lead times)
- Assembled by certified installers
- Highest quality components

### Testing & Delivery Phase

Versatile testing capabilities and quality packaging

- A wide range of testing options (including FAT)
- Secure packaging ensures safe arrival to your facility
- Field Engineers support on-site commissioning

### Quality Assurance

All Swagelok fabrications are covered by;

- ISO 9001:2015 Quality Standards
- SQS Swagelok Quality System
- Swagelok Limited Lifetime Warranty

## System Integrity:

### Evaluating Your Control Systems

**Swagelok delivers the expertise necessary to feel confident in the performance of your instrument gas panel assets throughout their full life-cycle.**



Swagelok Field Service engineers and applications engineers are readily available to assist with component selection and system design to help ensure you achieve the performance, productivity, reliability and safety improvements while helping reduce costs and risks.

Swagelok offer a wide range of Field Services, these include;

- [Fluid System Evaluation](#)
- [Compressed Gas Leak Detection](#)
- [Hose Advisory Service](#)
- [Analytical Instrumentation Sample System Survey](#)
- [Grab Sampling Evaluation](#)

After an evaluation of your current or proposed critical control systems, Swagelok engineers will provide you with detailed recommendations on enhancements and installation best practices to help improve system integrity, safety and reliability.

Rely on Swagelok to help optimise your control systems, reducing emissions and increasing safety and productivity.

[Contact Us today to discuss how we can help.](#)

### Contact Swagelok

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