PRODUCT DATASHEET

Gas Panels and Stream-Switching Systems

Gas supply, changeover and stream-switching panels





DETAIL – REGULATORS

OVERVIEW

The Tech Inc. Gas Panels and Stream-Switching Systems are compact tubing panels that supply, regulate, switch and select gases for analysers, laboratories and process users. Analyser houses, laboratories and plants use them for a steady, clean gas supply and for reliable selection between sample, calibration and purge streams.

MODELS AND CONFIGURATIONS

- **Single-stage pressure-regulating panel** – one regulator for general gas supply duties.
- **Two-stage pressure-regulating panel** – holds a steady outlet pressure as cylinder pressure falls.
- **Manual changeover panel** – the operator switches between duty and standby cylinders.
- **Automatic changeover panel** – switches to the standby bank when the duty bank runs down, without interrupting supply.
- **Point-of-use panel** – final pressure regulation and isolation at the instrument or user.

TYPICAL DESIGN DATA

Inlet pressure	Cylinder inlet up to 300 bar(g), or to client specification
Outlet pressure	Regulated to the user or analyser requirement, or to client specification
Tubing and fittings	SS316L, or to client specification
High-purity service	Electropolished options, or to client specification
Mounting	Wall, rack or cabinet, or to client specification
Testing	Leak-tested and documented before dispatch

APPLICATIONS

Laboratories, analyser houses, specialty-gas supply, nitrogen and hydrogen supply, and calibration systems.

KEY ADVANTAGES

- **No cross-contamination** – double block-and-bleed switching keeps streams separate
- **Uninterrupted gas supply** – automatic changeover moves to the standby bank without stopping the user
- **Leak-tested and documented** – every panel is leak-tested and documented before dispatch
- **Clean gas for sensitive users** – electropolished tubing options for high-purity gases
- **Compact installation** – wall, rack or cabinet mounting to suit the space available

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.