PRODUCT DATASHEET

Laboratory and Specialty Gas Panel

Changeover manifolds and point-of-use panels for labs and medtech

Product page





Close-up: changeover manifold

OVERVIEW

The Tech Inc. Laboratory and Specialty Gas Panel supplies laboratory and specialty gases from cylinders to instruments and incubators without interruption. Automatic changeover manifolds switch to the reserve bank, purge assemblies protect purity, and point-of-use panels set the pressure at each bench.

TYPICAL DESIGN DATA

Gases	CO_2, nitrogen, argon, helium, hydrogen, air and mixtures
Inlet pressure	Cylinders to 200 or 300 bar
Outlet pressure	Set per instrument, typically 1 to 10 barg
Codes and standards	Pressure parts to ASME B31.3
Materials	316 stainless; brass for inert gases on request
Alarms	Changeover and low-pressure alarms with volt-free contacts
Scope	Laboratory and process gases; not patient medical gas pipelines

MODELS AND CAPACITIES

- **TI-LGP-1** – one gas, 1 + 1 cylinders
- **TI-LGP-2** – one gas, 2 + 2 cylinders
- **TI-LGP-M** – multi-gas manifold, up to 4 gases
- **TI-LGP-U** – point-of-use panel, 1 to 4 outlets

Configurations by number of gases and cylinders.

ORDERING CODE

Example **TI-LGP-2-CO2-A**: **2** configuration: 1, 2, M or U; **CO_2** gas; **A** changeover: A automatic, S semi-automatic, X none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: gas generators instead of cylinders; distribution tubing installation; gas detection; cylinder racks and restraints; remote alarms.

KEY ADVANTAGES

- **No interruptions** – automatic changeover
- **Alarmed** – low-pressure and changeover alerts
- **Purity kept** – purge assemblies
- **Tidy** – standard panels for every lab

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