PRODUCT DATASHEET

# Automatic Gas Changeover Manifold

Two-cylinder and two-bank changeover with purge, for uninterrupted gas supply

Product page





Close-up: changeover regulator and purge assemblies

## OVERVIEW

The Tech Inc. Automatic Gas Changeover Manifold keeps a gas supply running when a cylinder or bank empties. Two cylinders or two banks feed the manifold; when the pressure on the working side falls to the set point, the changeover regulator switches to the reserve side without a break in flow and an indicator or alarm tells the operator to replace the empty cylinder.

## TYPICAL DESIGN DATA

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|---|---|
| **Inlet pressure** | To about 200 or 300 bar |
| **Outlet pressure** | About 0 to 10 barg, or as required |
| **Gases** | Inert, flammable, oxidising and specialty gases with materials to suit |
| **Codes and standards** | Pressure parts to ASME B31.3 practice; oxygen service cleaned to ASTM G93 |
| **Materials** | Brass or 316 stainless; cleaned for oxygen service on request |
| **Switching** | Pressure-differential regulator or electronic with solenoid valves |
| **Alarm** | Local indication, volt-free contact or 4–20 mA |

## MODELS AND CAPACITIES

- **TI-AGC-2-200** – two cylinders, inlet to about 200 bar
- **TI-AGC-B-200** – two banks, about 200 bar
- **TI-AGC-E** – electronic switching with alarm
- **TI-AGC-2-300** – two cylinders, inlet to about 300 bar
- **TI-AGC-B-300** – two banks, about 300 bar

Indicative inlet rating and arrangement.

## ORDERING CODE

Example **TI-AGC-B-200-S-E**: **B** arrangement: 2 two cylinders, B two banks; **200** inlet rating, bar; **S** material: B brass, S 316 stainless, O oxygen-cleaned; **E** switching: P pressure, E electronic.

## SCOPE OF SUPPLY

**Included:** factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** electronic switching with remote alarm; flashback arrestors for flammable gases; excess-flow valves; point-of-use regulator stations; cylinder racks and chains.

## KEY ADVANTAGES

- **No interruption** – switches before the supply drops
- **Clean gas** – purge assemblies on every inlet
- **Visible** – alarm when a side is empty
- **Right materials** – for each gas

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

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