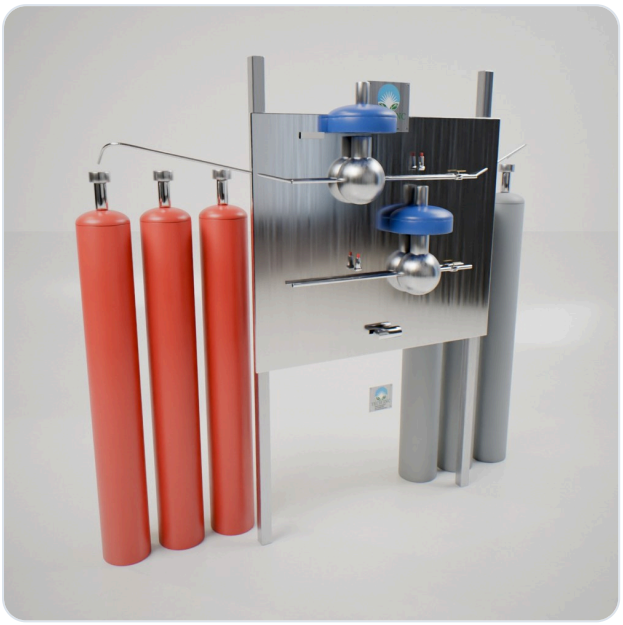
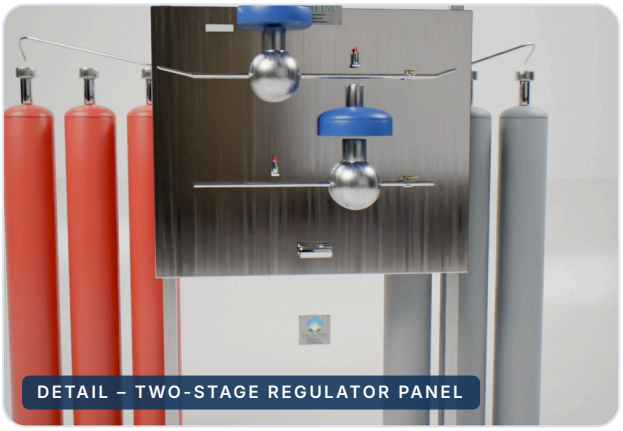
PRODUCT DATASHEET

Hydrogen and Industrial Gas Pressure Reducing Station

Two-stage reduction from 200 bar cylinder banks





DETAIL – TWO-STAGE REGULATOR PANEL

OVERVIEW

The Tech Inc. Hydrogen and Industrial Gas Pressure Reducing Station takes hydrogen, nitrogen, argon, oxygen or other industrial gases from 200 bar cylinder banks and reduces them in two stages to a steady supply pressure for laboratories and plants. A changeover manifold switches between banks so the supply does not stop.

MODELS AND CONFIGURATIONS

- **Hydrogen station** – with flashback arrestors and purge for hydrogen service.
- **Inert gas station** – nitrogen, argon and CO_2.
- **Oxidant station** – oxygen service, cleaned for oxygen.
- **Automatic changeover** – switches banks on low pressure without interruption.

TYPICAL DESIGN DATA

Inlet pressure	Up to 200 bar cylinder or bundle pressure
Outlet pressure	To client specification
Wetted materials	SS316, or to client specification
Mounting	Wall panel or free-standing skid
Design	To the client's gas safety specification

APPLICATIONS

Laboratories, hydrogenation bays, fuel-cell and electrolyser test labs, glass and metal plants and analyser houses.

KEY ADVANTAGES

- **Two-stage control** – steady outlet pressure as the bank empties
- **No supply breaks** – changeover between cylinder banks
- **Safety built in** – relief, excess-flow and flashback protection
- **One supplier** – manifolds, regulators and panels built and leak-tested together

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

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