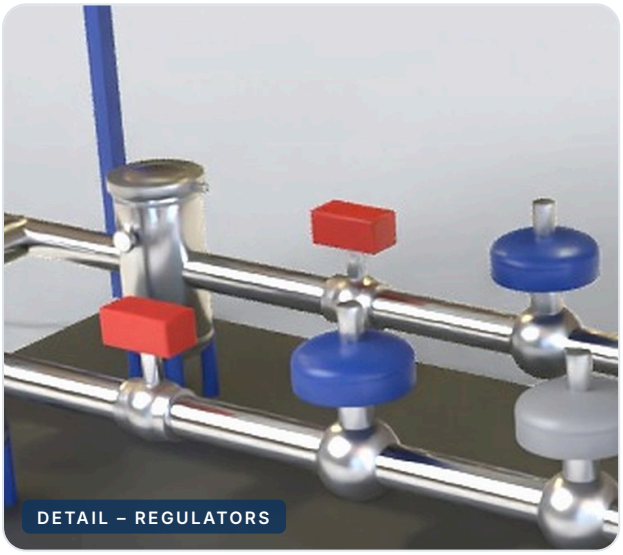
PRODUCT DATASHEET

Pressure Reducing and Metering Station

Gas pressure reduction and metering, up to Class 600





DETAIL – REGULATORS

OVERVIEW

The Tech Inc. Pressure Reducing and Metering Station cuts gas from transmission pressure to user pressure safely and measures the flow delivered. City gas distributors, power plants and industrial users install it at pipeline offtakes and plant inlets.

MODELS AND CONFIGURATIONS

- **Pressure reducing station (PRS)** – filtration, over-pressure protection and regulation where flow measurement is not required.
- **Pressure reducing and metering station (PRMS)** – adds a meter run and flow computer to measure the gas delivered.
- **Single-stream** – one regulating run for smaller users and non-critical supply.
- **1+1 redundant streams** – a duty run and a standby run, so supply continues during maintenance.

TYPICAL DESIGN DATA

Inlet pressure rating	Up to Class 600, or to client specification
Flow	Typical 100 to 200,000 Sm^3/h, or to client specification
Outlet pressure	Set to the user's supply pressure, or to client specification
Stream arrangement	Single-stream, 1+1 or 2+1, or to client specification
Metering	Turbine, ultrasonic or rotary meter with flow computer, selected for the flow range
Piping design	Designed to ASME B31.3 / B31.8 or client specification
Materials	Selected for the gas composition and design conditions, or to client specification

APPLICATIONS

City gas distribution, power plants, industrial users, gas-turbine supply, pipeline offtakes.

KEY ADVANTAGES

- **Layered over-pressure protection** – slam-shut valve, monitor regulator and relief valve protect the downstream system
- **Uninterrupted supply** – 1+1 and 2+1 redundant streams allow maintenance without cutting off users
- **Stable outlet conditions** – a gas heater offsets the cooling caused by large pressure drops
- **Measured delivery** – turbine, ultrasonic or rotary meter with flow computer for billing and allocation
- **Filtration from one factory** – filter elements, housings and pressure vessels are made by Tech Inc

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

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