

Refillable Gas Cylinder Range Gas Control

The purchase of a high quality gas mixture is not the only consideration for accurate calibration. All of the downstream control equipment, e.g. connectors, regulators, flow control valves and tubing can have an effect upon the values observed. As well as output pressure and flow rate, material compatibility is a key factor to matching the equipment to the gas mixture.

To assist with the selection of pressure regulators, we have a range of models classified according to their intended use.

The Economy range of regulators are brass bodied, single or twin stage models suitable for mixtures containing inert components at concentrations above 1000ppm.

The Scientific range consists of models with chrome-plated brass or stainless steel bodies. Both share high-grade internal components such as stainless steel diaphragms and are available in single or twin stage formats. The chrome plated brass models are suitable for all non-corrosive calibration work, including mixtures with low ppm concentrations. If your gas mixture contains corrosive components, then the stainless steel models will be best suited for the application.

The Specialist range covers esoteric applications that require a regulator with unusual pressure, flow rate or material options. Common requests have been for regulators suitable for highly corrosive gas mixtures containing components such as hydrogen chloride, or mixtures that are particularly sensitive to regulator materials e.g. mixtures containing Nitric Oxide and Nitrogen Dioxide.

The Dial-a-Flow range provides lightweight alternatives to the traditional pressure regulator and flowmeter arrangement. Dial-a-Flow offers the combination of a low output pressure (1.2 Bar) and 9 pre-set flow rate in one compact unit, with materials suitable for the majority of calibration gases.



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