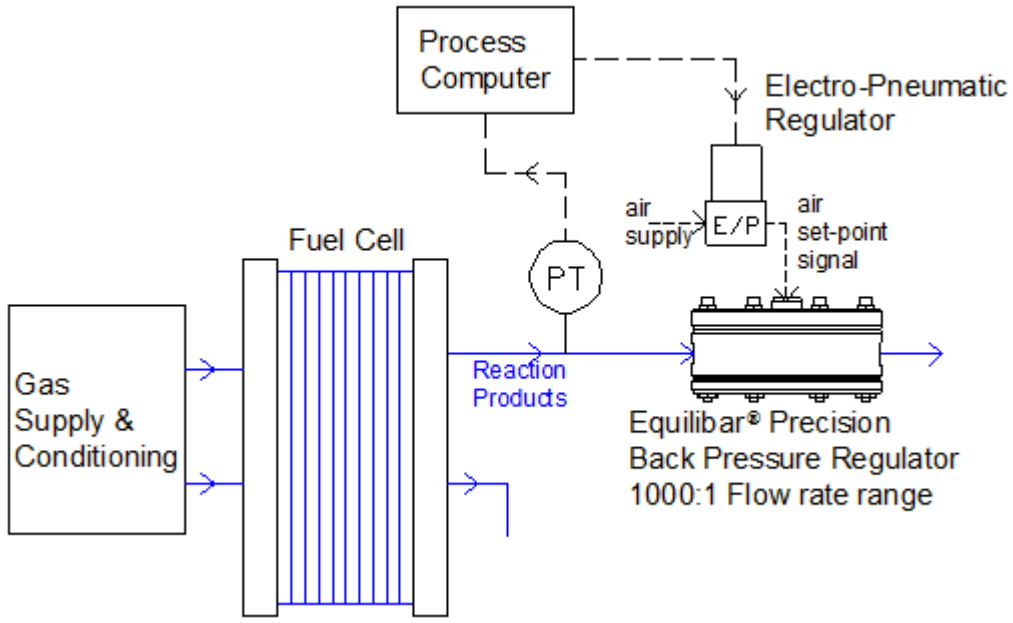
Fuel Cell Pressure Regulator



Back Pressure Regulators for Fuel Cells

The Equilibar precision back pressure regulator is the perfect fit for many fuel cell applications. Fuel cell testing systems, in particular, benefit from the high sensitivity in the low to mid pressure ranges that is lacking in most competitive products.

Low Flow Control
Incredible 1000:1 flow rate turn-down ratio

Equilibar's current "GR" trim was specifically designed in response to the demanding flow rate requirements of the fuel cell testing industry. These GR trim regulators can provide stable stack pressures through ultra wide flow rate ranges required for rigorous test protocols. Gas flow rate control is possible down to below 1 ml/minute.

Ease of computer automation

The dome loaded design is sensitive to changes in an Electro-Pneumatic Regulator (EPR) as small as 0.001 psig, giving your process computer unprecedented control of gas system pressures. While most fuel cell testing systems use closed-loop PID feedback on the stack outlet pressure sensor, the incredible precision of the Equilibar BPR would allow for full system control by using only a manual pressure regulator or an EPR with open-loop control.

Fuel Cell & Hydrogen Energy Association

The Fuel Cell and Hydrogen Energy Association is dedicated to the commercialization of fuel cells and hydrogen energy technologies.