



Electronic Pressure Controller

Stable and accurate pressure control
for OEM applications



Electronic Pressure Controllers

Responsive OEM pressure control, customized to suit your application.



EPC family

Single proportional valve for fast, stable control of pressure in flowing applications. Example port locations shown.

Better Control

- 100 ms control response
- Tunable PD valve control loop
- Custom valve selection
- Efficient dead-end control with dual valve configuration

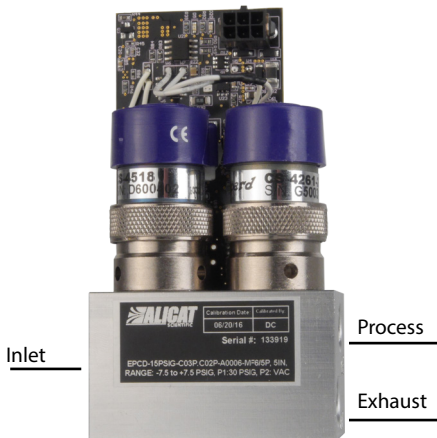
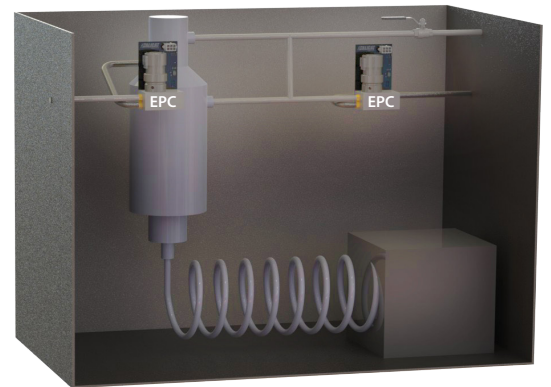
Quick Specs

- Gauge ranges: 2 inH₂O, 5, 15, 30, 100, 150 psig
- Absolute ranges: 15, 30, 100, 150 psia
- Operating range: 0.5-100% of full scale.
- Accuracy: 0.25% full-scale (NIST-traceable).
- Repeatability: 0.08% full-scale.
- Process: available in NPT, SAE, downport, NeSSI.
- Analog and serial communications on every device
- Digital comms: RS-232, RS-485, Modbus
- Analog comms: 0-5v, 1-5v, 0-10v, 4-20 mA

Selected Applications

Pressure Control for Split Flow Gas Chromatographs

Alicat's EPC maintains stable carrier gas flow rates at the sample injector within a gas chromatograph. A second backpressure EPC on the split flow vent ensures sufficient column head pressure. Small size, fast response and dual analog/digital communications make the EPC easy to build into OEM products.



EPCD family

Dual inlet and exhaust valves for efficient control of pressure in closed volumes without excess venting. Port locations configurable.

Fluidic Dispensing for Flow Cytometry

Dual-valve EPCDs control the head space pressures to propel the sheath fluid and the cellular sample through the flow cytometer's laser. High EPCD accuracy and wide usable ranges make possible the dispensing of precise amounts of fluid.

