Electronic Pressure Controllers

MODERN PRESSURE CONTROL FOR OEM APPLICATIONS

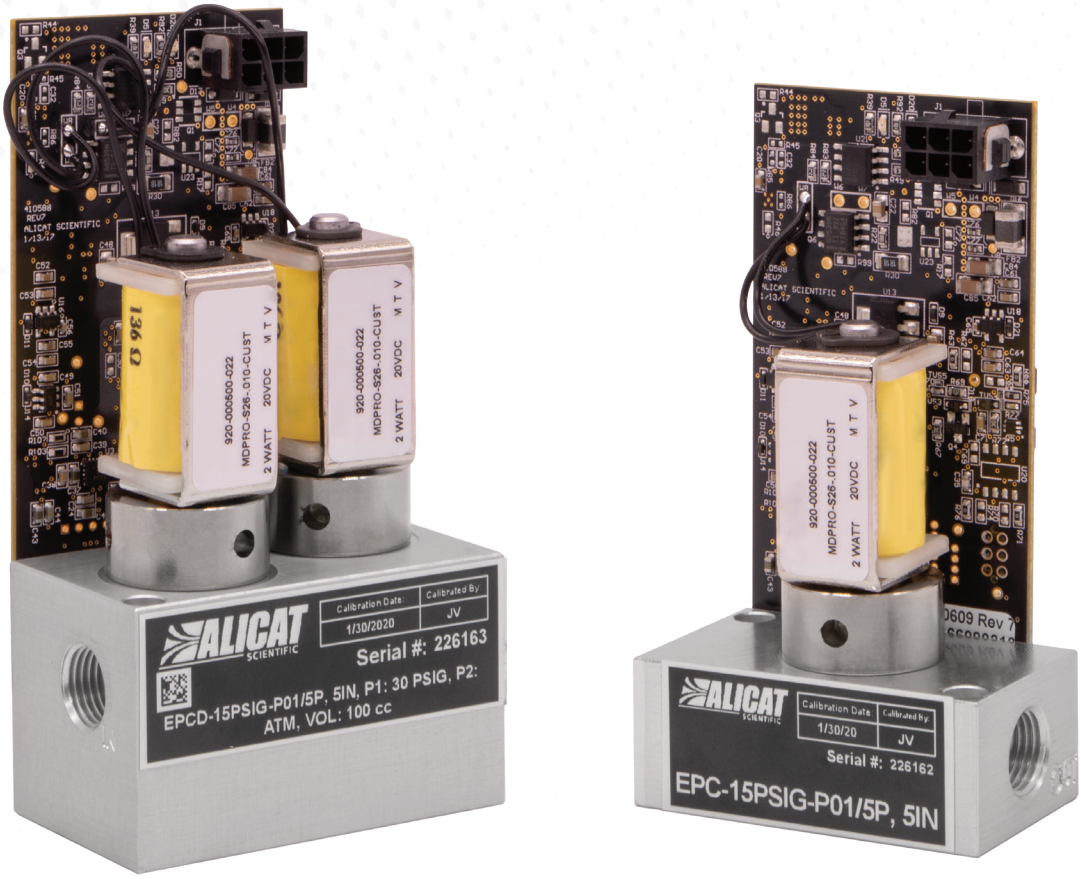
100 ms control response

Customized body design

Wide range of pressures

Adjustable valve tuning

Accurate to 0.125% of scale



Shown actual size

Small. Easy. Fast.

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EPC & EPCD Electronic Pressure Controllers

MODERN PRESSURE CONTROL FOR OEM APPLICATIONS

Quick Specifications:

Gauge Ranges:
1, 5, 15, 30, 100, 300 PSIG
2, 4, 10, 20 INH2OG
Custom ranges also available

Absolute Ranges:
15, 30, 100, 300 PSIA
Custom ranges also available

Operating Range:
0.5–100% full-scale
200:1 Turndown

Accuracy:
±0.125% full-scale (NIST-traceable)

Repeatability:
0.05% of full scale

Signals:
RS-232/485 or Modbus RTU digital and 0–5 Vdc analog (0–10 Vdc customizable)

Communications:
Modbus RTU or ASCII Serial

Process Connections:
Available in NPT, SAE

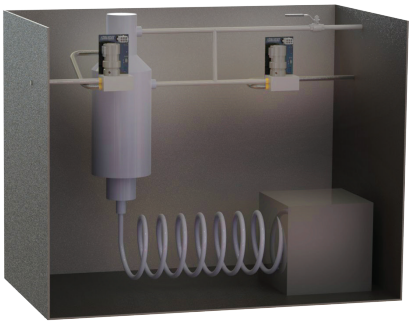
Fast in Every Way

- **100 ms control response**
  Stills upstream fluctuations
- **Accessible valve control tuning**
  for best speed and stability
- **Instant warm-up**
  Measures at full accuracy in 70 ms
- **Ready to ship**
  Versatile stock reduces lead time

Selected Applications

Pressure Control for Split Flow Gas Chromatographs

Alicat's single proportional valve 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.



Fluidic Dispensing for Flow Cytometry

EPCDs have inlet and exhaust valves for efficient control of 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.