

## The PORTER Advantage



**A Distinctive Valve/Seat Design**

A Precision Glass Ball & Quad Ring on Models 8310 / 8311 provide exacting regulation in a variety of low flow instrument specific applications. The Model 8286's Pneumatically Balanced Poppet minimizes supply pressure effect in higher flow applications.

**B Choice of Diaphragm Materials**

Stainless Steel Diaphragms provide extremely low permeability. Coated Fabric Diaphragms, available in Buna or Viton, offer unmatched sensitivity.

**C Fine Pitch Adjusting Stem**

56 Thread per inch pitch on all regulator adjusting stems gives 15-turn resolution for precise control over incremental pressure adjustments

**D Barstock Construction and Analytical Service Cleaning**

PORTER regulators are machined from bar stock in your choice of aluminum or stainless steel. All parts are cleaned to procedures developed specifically for analytical service. This minimizes contaminant generation in low-level analyzer applications.

**E Extensive Choice of Range Springs**

2.5, 5, 10, 30, 60, 100 PSI Maximum ranges in Music Wire or Ni-Span-C® are available in most models. This ensures maximum resolution at specific pressure and temperature requirements.

**F Integral 100 Micron Sintered Stainless Steel Cartridge Filter**

Models 8310, 8311 and 8286 are supplied with a replaceable sintered stainless steel cartridge filter on the inlet to help reduce regulator failure from media contamination.