The Series 165 PRECISOR® II Pneumatic and Electro-Pneumatic Positioners deliver stable process control at an exceptionally low price. Its rugged, durable design makes it ideal for harsh environments while maintaining precise, accurate positioning of the control element. Units can be easily changed from direct to reverse action, or vice versa. Low air consumption keeps operating costs at a minimum, while still responding quickly and accurately. Excellent for use in chemical processing, food and beverage, pulp and paper, and pharmaceutical industries, as well as many others.

FEATURE
• Field selectable cam for direct or reverse acting.

SPECIFICATIONS

Input Signal:
- Pneumatic: 3 to 15 psig (0.2 to 1 bar)
- Electro-pneumatic: 4 to 20 mA DC

Input Impedance:
- (165EL only): 250 ±15 Ω

Enclosure:
- Aluminum diecasting

Air Supply:
- 20 to 100 psig (1.4 to 6.9 bar)

Air Supply Connection:
- 1/4˝ NPT

Gage Connection:
- 1/8˝ NPT

Electrical Connection:
- Screw terminal

Conduit Connection:
- 1/2˝ NPT (165EL only)

Linearity:
- ±0.2% FS

Hysteresis:
- 1% FS

Sensitivity:
- ±0.2% FS

Repeatability:
- ±0.5% FS

Air Consumption:
- 0.10 scfm (3 LPM) at 20 psig (1.4 bar) supply

Flow Capacity:
- 28 scfm (80 LPM) at 20 psig (1.4 bar) supply

Stroke:
- 0.5 to 6˝ (10 to 150 mm)

Enclosure Rating:
- IP66 (NEMA 4X)

Operating Temperature:
- -4 to 160°F (-20 to 70°C)

Weight:
- 165NL: 3.1 lb (1.7 kg)
- 165EL: 6.1 lb (2.7 kg)

Agency Approvals:
- CE (165EL only)

APPLICATIONS
Series 165 PRECISOR® II Pneumatic and Electro-Pneumatic Positioners provide excellent modulating control when used between the Dwyer Temperature Controllers, Current to Pressure Transducer, and the Hi-Flow™ Valve in such industries as the food and beverage processing, chemical, pharmaceutical, and wood pulp and paper.

SUGGESTED SPECIFICATIONS
Pneumatic and Electro-Pneumatic Positioners shall be cam characterized, with 0.5% full-scale repeatability. The unit shall accept an input of 3 to 15 psig or 4 to 20 mA with capability of field-selectable modes of direct or reverse operation. Supply pressure shall be capable of 100 psig maximum. Unit shall be W.E. Anderson Positioner Series 165.