

# SIEMENS



## PROCESS INSTRUMENTATION

# Pneumatics Line Card

Regulators, flow controllers, relays, transducers and filters

**[usa.siemens.com/pneumatics](http://usa.siemens.com/pneumatics)**

Siemens field proven pneumatic regulators and relays fulfill a number of applications in process control and manufacturing. Applications include calibration stands, valve control circuits, I/P transducers, and air filters and regulators. These are field proven designs with decades of field service.

Pressure regulators are precision, two stage devices with exceptionally stable output. Available options include air loading, locking adjustment, and high flow output.

**Applications include:**

- Calibration stands
- Pneumatic control circuits
- Valve split ranging
- Bubbler level
- Impulse line purging

## Air Pressure Regulators

Precision pressure regulators control air pressures in applications where precise and dependable regulation is required, such as pneumatic instrument circuits, test stands, production checking fixtures, and industrial air gauges.

- “Nullmatic circuit” ensures precise control, even when supply pressure or downstream demand changes
- High flow and tapped exhaust options available on select models
- 1/8, 1/4, and 1/2 inch line sizes
- Regulated pressures up to 450 PSIG
- Available air loading option
- Applications include manual valve loading, calibration stands, medical equipment



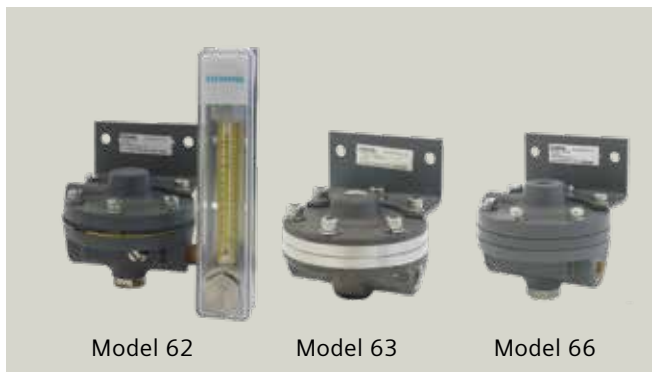
## Flow Controllers & Relays

The model 62 constant differential relays serve as air-flow controllers maintaining a constant air purge for each setting of an integral needle valve.

The model 63 constant differential relays are used in conjunction with an external needle valve to provide constant volume flow rates of liquids or gases over a continuously adjustable range.

The model 66 amplifying and reducing relays are used to increase or decrease control-circuit pressure signals.

- Simple reliable designs
- Brass and stainless models
- Epoxy powder coating for corrosion resistance
- Flow controller applications include bubbler level measurement, impulse line purging, sample flow control
- Amplifying and bias relay applications include control circuits and valve split ranging



## I/P Transducers

The model 77 current-to-pneumatic transducer is designed specifically for measuring circuits, converts the output of an electronic measuring device to a pneumatic signal.

The model 771 current-to-pneumatic transducer is designed as a cost-effective valve service transducer. The 771 receives an electronic signal, such as the output of a PID control function, and drives a control valve via the transducer until the control function is satisfied.

- Extremely stable
- FM/CSA
- NEMA construction
- Standard and booster output options
- Converts electronic control signals to pneumatic



## Air Filter

The instrument air filter is used to remove dirt, oil, water, and other impurities from an instrument-air supply. The highly efficient instrument-air filter uses the principle of coalescence to trap fine particles in a dripwell.

- Natural wool filter medium provides coalescing action
- Solid brass housing
- Replaceable filter cartridge



## Legal Manufacturer

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