PacE Pneumatic Flow Controller

Small Reciprocating Systems

The PacE Flow Controller from Ingersoll Rand manages flow to provide consistent pressure at point-of-use and to protect tools from over-pressurization.

The Cost of Unmanaged Pressure

Most compressed air systems experience fluctuating demand, which causes inconsistent pressure at point-of-use and jeopardizes the quality of finished products. Overcompensating by increasing system pressure or adding more compressors typically results in higher maintenance costs and increased damage to point-of-use tools.

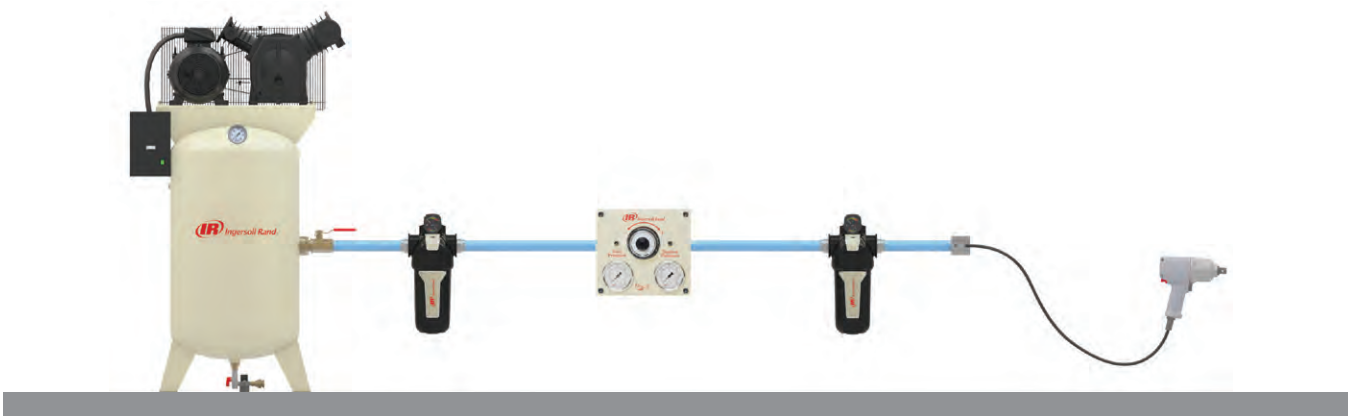
PacE Flow Controller Benefits

- Consistent pressure at point-of-use
- Improved compressor and production tool life
- Less production waste; decreased downtime
- Reduced energy consumption

Small Air, Big Difference

The PacE Pneumatic Flow Controller creates a buffer between air supply and air demand. This allows for more effective air storage while continuously responding to demand fluctuations to actively stabilize system pressure.

PacE delivers consistent, reliable pressure at point-of-use to ensure production quality.



So Much More than a Standard Regulator

Unlike standard regulators, the PacE flow controller manages both pressure *and* flow. It can be used to manage unregulated demand across the entire system, not just at point-of-use.

- **Accuracy.** The PacE Flow Controller has a sensitive dial for controlling set points to deliver precise pressure control (0.2% from set point within the full range).
- **Constant Pressure.** The flow controller valve responds immediately to changes in air demand, providing consistent pressure at point-of-use.
- **Reduced Cycling.** By separating the supply side from the demand side of your system, the controller creates additional stored capacity so your machines won't cycle as frequently to meet fluctuations in demand.
- **No Over-Pressurization.** The fixed pressure setting on the dial prevents users from exceeding the maximum desired pressure, protecting point-of-use tools from over-pressurization.

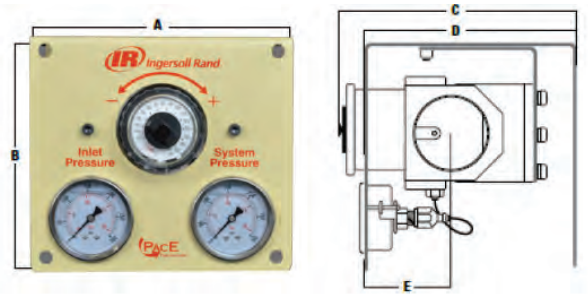
PacE Pneumatic Flow Controller Specifications

Inlet Size	Max Flow scfm	Dimensions (inches) A	B	C	D	E	Weight (lb)
1/2″	75	8.11	7.28	8.57	7.36	1.89	8.4

Inlet Size	Part Number	Flow Direction	Thread Type	Max Flow scfm	Max Inlet Pressure psig	Control Range psig	Temperature Range °F	Sensitivity % of full span	Repeatability % of full span
1/2″	49124399	Right to Left	NPT	75	300	0-160	-4 to +176	0.2%	± 0.5%
1/2″	49124365	Left to Right	NPT	75	300	0-160	-4 to +176	0.2%	± 0.5%
1/2″	49124456	Right to Left	BSP	75	300	0-160	-4 to +176	0.2%	± 0.5%
1/2″	49124423	Left to Right	BSP	75	300	0-160	-4 to +176	0.2%	± 0.5%

Product Features

- **Nitrile seals** for high level of chemical resistance
- **NPT threads** for easy installation with existing delivery systems
- **Glycerine-filled, stainless steel, dual gauge design** for clear reference of pressure (both inlet and outlet)
- **Powder-coated steel chassis** for premium durability
- **Versatile directional flow** available
- **Compatible** with rotary and reciprocating technologies
- **Suitable up to 300 psig** inlet pressure



Ingersoll Rand

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COMPRESSED AIR CHALLENGE

CAGI Compressed Air & Gas Institute

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