

PacE Flow Controller - Ingersoll Rand

By effectively managing pressure, the PacE Flow Controller from Ingersoll Rand enables compressed air systems to operate at the lowest acceptable pressure level needed to maintain reliable operations.

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



The Cost of Unmanaged Pressure

Most compressed air systems experience fluctuating demand. This can cause unstable system pressure, requiring compressors to cycle on and off. The typical solution is to overcompensate by using additional compressors and/or by increasing overall system pressure. However, these approaches increase overall operating costs and air loss due to leaks as well as damage to compressors and point-of-use tools.

PacE Flow Controller Benefits

The PacE Pneumatic Flow Controller creates a buffer between air supply and demand. It enables more effective air storage, and continuously stabilizes system pressure by responding to demand fluctuations. When pressure is kept constant, the need to increase system pressure or add compressors can be eliminated...ultimately saving you money.

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

Unmanaged Air Costs More Than You Realize

On average, an estimated 50% of compressed air in an unmanaged system is used for production. The other half is wasted due to leaks, misuse and artificial demand. Consider a 40 hp compressor that runs 3,500 hours at \$0.10 per kW. If the compressor creates 125 psig, but the tools only demand 90 psig, adding the PacE controller can save up to \$1,281 per year in energy costs.

That's more than a 2x return on the initial investment of the controller in just one year!

Unnecessary wear on the compressors is another cost of running an unmanaged system. The units must cycle more frequently than normal and can't reach a fully unloaded state, resulting in higher maintenance costs and shortened lifespan. Point-of-use tools are also at risk when subjected to higher pressures than they are designed to tolerate

Model Specifications

Inlet Size	CCN Number	Flow Direction	Thread Type	Max Flow (scfm)	Max Inlet Pressure (psig)	Control Range (psig)
1/2"	# 49124399	Right to Left	NPT	75	300	0-160
1/2"	# 49124365	Left to Right	NPT	75	300	0-160
1/2"	# 49124456	Right to Left	BSP	75	300	0-160
1/2"	# 49124423	Left to Right	BSP	75	300	0-160
1"	# 49124407	Right to Left	NPT	200	300	0-160
1"	# 49124373	Left to Right	NPT	200	300	0-160
1"	# 49124464	Right to Left	BSP	200	300	0-160
1"	# 49124431	Left to Right	BSP	200	300	0-160
2"	# 49124415	Right to Left	NPT	1000	300	0-160
2"	# 49124381	Left to Right	NPT	1000	300	0-160
2"	# 49124472	Right to Left	BSP	1000	300	0-160
2"	# 49124449	Left to Right	BSP	1000	300	0-160



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