



SFC Series | Pressure and Flow Controller

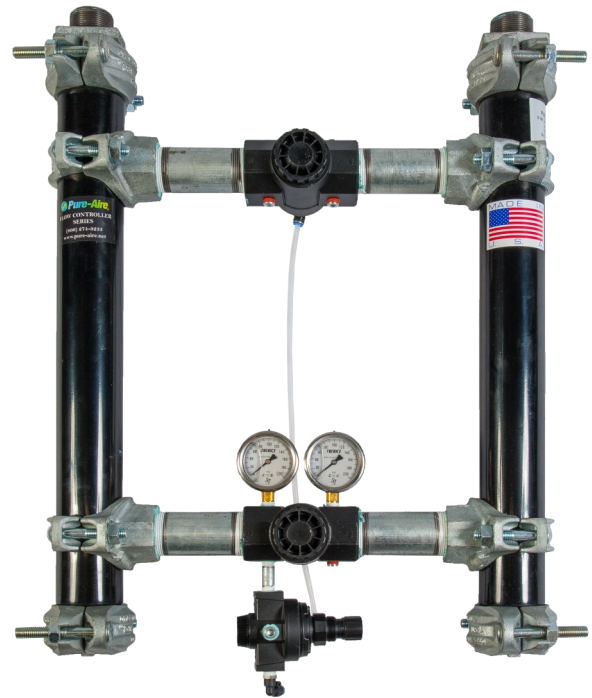
Delivering Consistent Pressure While Minimizing Energy Costs

Nearly all plant air systems have an ever changing fluctuation of demand and air pressure. Peak air demands will draw down pressure in the air system causing dramatic pressure fluctuations. These changes inevitably lead to inconsistent production, poor product quality, and wasted energy due to running the system at a higher than necessary pressure.

The Pure-Aire SFC Series Pressure and Flow Controller will yield significant air system improvements when installed in conjunction with an adequate supply-side storage tank. This system will enable the supply-side storage tank installed with the compressors to store air for peak demands at an appropriately set control pressure. Additionally, it will deliver the desired plant air pressure setpoint consistently delivering +/-1% of pressure setpoint. Peak air consumptions will be drawn from storage and less compressor HP will be required for peak events—**saving you energy, money, scrap, and downtime.**

Benefits and Standard Features

- ✓ Flow Rates to 22,000 cfm
- ✓ Parallel Valve Design to Provide Redundancy
- ✓ Stabilizes Plant Production Quality and the Compressed Air Pressure +/-1%
- ✓ Stabilizes the System Air Pressure in Response to Dramatic Fluctuations of Demand
- ✓ Minimizes Waste Through Air Leak Reduction
- ✓ Reduces Compressor Energy Consumption
- ✓ Improves Compressor Controls and Response to Changing Air Requirements
- ✓ Non-Corrosive Aluminum Piping
- ✓ Energy Savings of Approximately 1% for Every 2 psig Change in Pressure
- ✓ Single Valve Design Available to Minimize Investment Cost
- ✓ Optional Automatic By-Pass Valve



Energy Savings Realized



Energy savings of thousands of dollars are typically realized with an extremely short payback time frame. Most customers report production savings, which are multiples of the energy savings they realized.

Technical Specifications

Standard Size Range	250 to 22,000 cfm
Maximum Operating Pressure	200 psig (standard)
Minimum Operating Pressure	50 psig
Temperature Range	50°F to 150°F

Flow range based on 105 psig inlet pressure to SFC. Inlet pressure must be 5 psi or higher than outlet pressure.

Model	Rated Flow* (scfm)	In/Out	Approx. Dimensions (Inches)			Approx. Weight (lbs.)
			L	W	H	
EFC-250	250	1 1/2" NPT	12	7	10	15
EFC-750	750	2" NPT	14	7	10	20
SFC-500	500	2" NPT	24	10	32	35
SFC-750	750	3" NPT	24	10	32	50
SFC-1000	1000	3" FLG	24	10	32	80
SFC-2000	2000	4" NPT	24	11	30	110
SFC-3500	3500	6" FLG	33	19	32	750
SFC-5500	5500	6" FLG	44	19	33	900
SFC-6500	6500	8" FLG	44	19	33	1100

*Based on 105 psig inlet pressure.

Contact Us

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