



## SFC Series | Pressure and Flow Controller

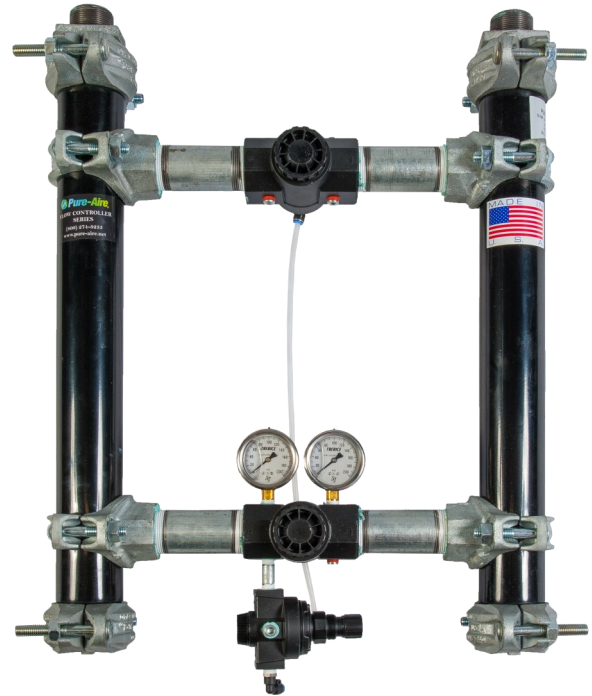
### *Delivering Consistent Pressure While Minimizing Energy Costs*

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 System 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

- ✓ Flowrates to 22,000 cfm
- ✓ Parallel Valve Design to Provide Redundancy
- ✓ Stabilize Plant Production Quality and the Compressed Air Pressure +/- 1%
- ✓ Stabilize the System Air Pressure in Responses to Dramatic Fluctuations of Demand
- ✓ Minimize 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 timeframe. Most customers report production savings which are multiples of the energy savings they realized.*

**Technical Specifications**

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

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

**Weights and Dimensions**

Filter Model	Rated Flow* (scfm)	Connections	Approx. Dimensions (Inches)			Approx. Weight (lbs.)
			L	W	H	
EFC-250	250	1 ½" 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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