

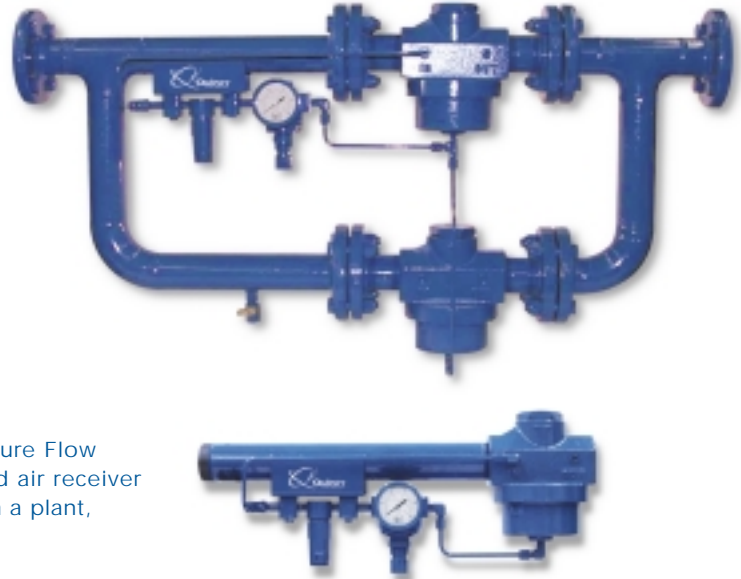
QUINCY PNEUMATIC PRESSURE FLOW CONTROL



The Science of Compressed Air

SINGLE AND DUAL VALVE DESIGNS

- Steady plant pressure
- Reduced operating costs
- Reduced air usage
- Fewer compressors on-line
- Reduced scrap and downtime
- Increased productivity



The Quincy PPFC Pneumatic Pressure Flow Control with an appropriately sized air receiver will stabilize the header pressure in a plant, reliably and efficiently.

OPTIMIZED FOR MAXIMUM PRODUCTIVITY

The Quincy Pneumatic Pressure Flow Control puts an end to fluctuating plant header pressure. It does this by separating the supply and demand side of the system. Compressed air is stored in a large upstream air receiver which acts like a water tower. The expansion of the stored compressed air is controlled to maintain a flat, steady pressure that satisfies peak production requirements.

Most plants strive to operate at elevated pressures to protect against periods of peak air demand that can cause the plant pressure to fall. As a result, the header pressure fluctuates widely causing problems with production equipment and processes.

The Quincy Pneumatic Pressure Flow Control responds much faster than compressor controls to changes in air demand. By maintaining a steady pressure in the plant, production downtime and scrap due to fluctuating pressure can be eliminated. Plant processes can be optimized for maximum productivity. Compressors that were on-line to service peak events can be shut down and surge flow across dryers and filters is eliminated, improving the quality of the compressed air.

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CHARACTERISTICS:

The valves are piston style pneumatic valves controlled by a precision pilot pressure regulator.

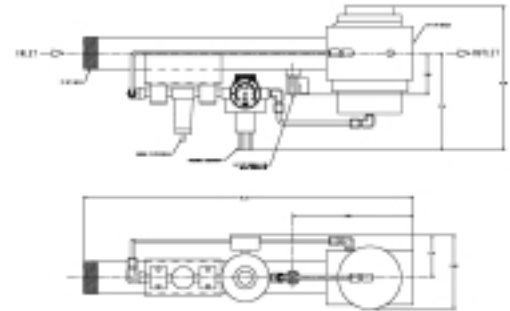
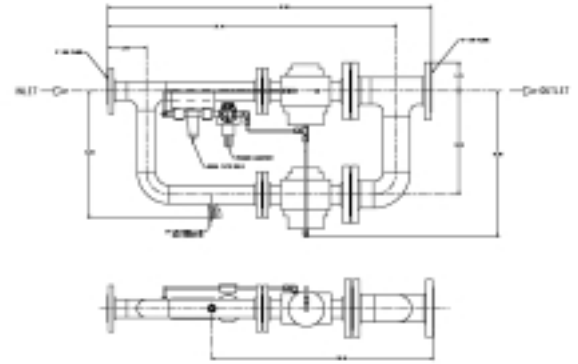
APPLICATIONS:

The Quincy Pneumatic Pressure Flow Control is applied downstream of an appropriately sized air receiver that stores clean, dry air. The valve and tank are sized based on the compressor sizes and system events. The Quincy PPFC controls the flow of air from the air receiver into the plant header to respond to fluctuations in air demand in production.

FEATURES:

- 0-125 psig set point range
- Single and Dual Valve Configurations available
- Control line filter for the pilot pressure signal line

The single valve design has NPT connections for ease of installation in smaller systems. The dual valve design improves the appearance, reduces leaks and minimizes the pressure drop through fittings. Large size long radius elbows are used to improve performance.



Model No.	Inlet	Outlet	scfm	APPROXIMATE DIMENSIONS		
				Length	Height	Depth
PPFC-1	2" NPTF	2" NPTF	500	23.9"	10.6"	5.4"
PPFC-2	2" - 150#	3" - 150#	1000	46.1"	22.3"	7.5"

- Installation of a three-valve bypass is recommended for startup and maintenance.
- Maximum inlet pressure 200 psig.

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