

# PFC pressure flow controller

## FEATURES

- responds to usage fluctuations by automatically increasing or decreasing the size of the flow control valve orifice
- precisely regulates the low side compressed air system pressure to a field adjustable set pressure supplying a constant low side pressure within 1-2 psig of your set point
- automatically allows for periods of stored higher pressure compressed air from the upstream receiver tank(s) which averages out compressed air usage
- enables the compressed air system to be operated with minimal compressor hp allowing the compressor to no longer provide maximum flow at peak usage periods but maintain flow equal to average usage
- requires only a single control valve and single pressure input signal
- systems complete with pilot air filter, pressure gauges, drain port, bypass piping and valves for installation in either new or existing systems
- reduces the surge of power required to meet increased demands



### saves energy costs

minimizes the need to keep compressors running constantly; reduces system air losses due to air leaks



### improves plant operations

can be used alone or as an integral part of a comprehensive compressed air management system



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## SPECIFICATIONS

model	maximum	minimum	inlet & outlet connections	dimensions (inches)		approx weight
	scfm	scfm		A	B	
PFC-30	1000	200	3"	33 1/8	35 5/8	175
PFC-40	2000	400	4"	41 1/2	36 3/4	250
PFC-60	4000	800	6"	45 1/2	42 1/2	400
PFC-80	8000	1600	8"	55 1/4	50 1/8	650
PFC-100	12500	2500	10"	64 5/8	61 1/8	1150

(1) maximum inlet pressure: 150 psig

(2) consult factory for higher pressure applications

(3) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

### standard features

flow control valve and positioner with visual indicator and fail-to-open actuator

4-20 mA pressure transducer

process controller with visual downline and set point pressure display

same sized inlet and outlet connections

three-valve bypass

high and low side pressure gauges

pilot air filter with automatic drain valve

condensate drain port

NEMA 4 enclosure

voltage: 115/60/1

### optional features

full flow check valve

remote mount control box with 20' sheathed wire

RS 232/485 output

4-20 or 0-20 mA output

0-5, 1-5, or 0-10 VDC output

pressure variance alarm

fail-to-close actuator

zero air loss drain valve

backup flow control valve with bypass valves

