

Type 3210 & 3220



Product Information
Model 3210 & 3220
Electronic Controller

Features

- Internal sensor provides closed loop accuracy
- Reliable twin solenoid valve system
- Conserves air - no constant bleed
- Current/voltage command and monitor signals
- Not sensitive to mounting orientation
- High accuracy
- Weatherproof housing
- Mounts conveniently on top of booster relay for higher flows

Applications

- Semiconductor
- Machine Automation
- Molding & Forming Operations
- Robotics Controller
- Tire Manufacturing & Testing

Operational Description

- This compact electronic regulator (servo pressure controller), incorporates two solenoid valves and an internal pressure sensor.
- With current or voltage signal inputs, the Model 3210 controls an output pressure with an accuracy of $\pm .5\%$ or better FS.
- Many output ranges are available, from 29" Hg to 600 psig (in different models.)
- Mounted on a booster, it can achieve flow rates in excess of 2,000 SCFM.
- With a flow of 1.2 SCFM at 100 psi, the 3210 can be used alone for many applications.
- Three output monitor signals are available.

ElectroPneumatics



MB T-3210 & T-3220 Electronic Controller

SPECIFICATIONS

PNEUMATICS

Output Pressure Ranges	Vacuum to 600 psig (41 BAR)
Flow	1.2 scfm
Supply Pressure	110% of max output pressure
Filtration	40 micron (built in)
Linearity (independent)	± .2% FS
Repeatability	± .2% FS
Accuracy	± .5% FS
Hysteresis	± .5% FS

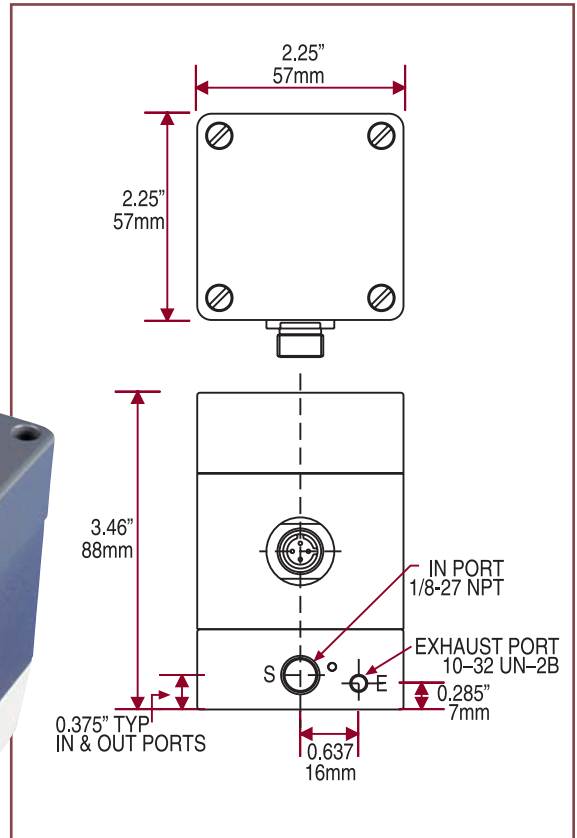
ELECTRICAL

Supply Voltage	15-24 VDC
Supply Current	80 mA standby - 325 mA max
Command Signal	
Voltage	0-10 VDC
Analog Monitor Output	
Voltage	0-10 VDC
Current	4-20 mA
Logic Monitor Output	
CMOS	0 VDC low, 12 VDC high
TTL	0 VDC low, 5 VDC high
Open Collector	0 VDC low, (pull up) high

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ENVIRONMENTAL

Operating Temp	32 to 141°F (0 to 60°C)
Materials	
Wetted Parts	Brass, nickel, silicon, buna-N, 316 SS
Output Port Sizes	1/8" NPT, BSPP (side) 1/4" NPT, BSPP (bottom)
Exhaust Port	No. 10-32 UNC Thread
Weight	1.5 lbs.



HOW TO CREATE A 3210 PART#

2 [] 0 M [] 0 [] [] [] P [] 1 0 0

Single loop = 1
Double loop = 2

0-10 V = E
4-20mA = I
others available

Please indicate the lower range of pressure down to 0 psi absolute

Gauge (psig) = G
Absolute (psia) = A
Vacuum ("Hg) = V
Water column ("H₂O) = W

No Options - Consult Factory For Options

1 = 6 Pin Micro

0 = 1/8" NPT Input & Output Ports & Station Mount
1 = 1/8" BSPP Input & Output Ports

Please indicate the upper range of pressure up to 600 psig