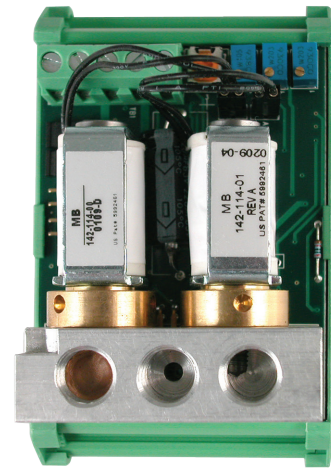


# Type 3110

## Analog Circuit-Card Regulators



**Type 3110**  
Analog Circuit-Card Regulators

### Description

The compact Type 3110 (one-loop) and 3120 (two-loop) Circuit-Card Pressure Regulators are perfect for size-conscious OEM's, without sacrificing any of the high-end performance normally associated with full-size I/P's.

Industry-standard analog control signals (0-10V or 4-20 mA) are user-selectable (V or mA) and configurable (zero and span). Industry-standard analog monitor output signal (0-10V) available for user-monitoring of actual output pressure. Industry-standard logic output signals (high or low) are available for user-monitoring of setpoint status – 'at setpoint' or 'still searching'.

### Features

- Small Footprint
- User Selectable Input
- Analog Monitor Output
- Single Loop and Dual Loop Control
- Economical

Type 3110		
Performance	Full-Scale Accuracy 0.5%	
<b>Electrical Inputs</b>		
Supply Voltage	15-24VDC (12VDC option)	
Stand by Supply Current	80 mA	
Maximum Supply Current	250 mA	
E/P Control	0-10V, 10K OHMS	
I/P Control	4-20 mA , 250 OHMS	
<b>Electrical Outputs</b>		
Monitor Output	0-10V	
Logic Output	TTL	
<b>Pneumatic Inputs</b>		
Supply Pressure	Max. Output PSIG (BAR)	Max. Supply PSIG (BAR)
	Up to 5 (.35)	20 (1.4)
	>5 to 15 (.35-1.03)	30 (2.1)
	>15 to 30 (1.03-2.1)	60 (4.1)
	>30 to 100 (2.1-6.9)	165 (11.4)
	>100 to 150 (6.9-10.3)	200 (13.8)
	>150 to 300 (10.3-20.7)	350 (24.1)
	>300 to 600 (20.7-41.4)	650 (44.8)
<b>Pneumatic Outputs</b>		
Full-scale Atmospheric Pressure Ranges	1, 5, 15, 30, 100, 150, 300, 500, 600 psig	
	0.07, 0.35, 1.03, 2.07, 6.9, 10.34, 20.68, 34.47, 68.95 BAR	
Vacuum Pressure Ranges	30" Hg, 30,150 PSIA (2.1 BAR, 10.3 BAR)	
Forward Flow Capacity	1.25 SCFM (35.4 LPM)	
Exhaust Flow Capacity	1.25 SCFM (35.4 LPM)	
<b>Environmental</b>		
Operating Temperature	32-141°F (0-60°C)	
Media-Wetted Materials	Aluminum, copper alloys, nickel, buna-n, silicon, 316SS	
Recommended Accessories	Manifold, Power Supply, Control Knob, Remote Pressure Sensor, External Volume Booster	