

# MODEL FC FLOW CONTROLLER

CPN# 999234.C



- Large Digital Display
- High-Low Alarm Contacts
- Easy Panel Mounting
- Accepts Remote Command Setpoint
- Provides Analog Recorder Output
- Monitor Flow (lbs/min, kg/min, etc).

The Model FC Shot Flow Controller is a self-contained servo control for accurate regulation of steel shot using a MagnaValve. The control may operate as a stand-alone control or work with a customer's programmable controller via standard analog 0-10Vdc interface. Flow rate signal from the MagnaValve is used as the input signal.

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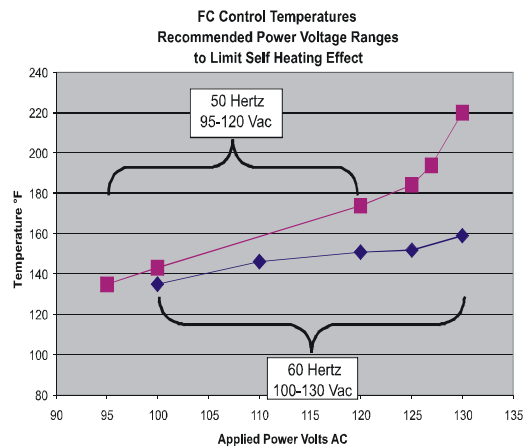
# MODEL FC FLOW CONTROLLER



All adjustments are available behind the front access plate

## Specifications

Power:	115Vac, 50/60 Hertz, 50VA
Inputs:	0-5Vdc (From MagnaValve Sensor) Remote Command Setpoint (0 -10Vdc) Enable (115Vac) Alarm Reset (115 Vac)
Outputs:	Valve Power 50Vdc PWM at 8-25Hertz Recorder Analog Output (0 -10Vdc) Alarm Relay Contacts (125Vac @ 1Amp) Max. Excitation Voltage $\pm 12$ Vdc (100mA) Reference Voltage +10Vdc (10mA)
Weight:	5lbs.
Display Range:	0 -1999
Decimal Points:	1000, 100.0, 10.0
Alarm Band:	0 -50% of full scale
Alarm Delay:	0 -10 seconds
Reset Delay:	0 -10 seconds
Auto-zero:	$\pm 20\%$ of full scale



Temperature Range: 0-50°C/ 32-122°F

## Wiring Connections

- |                                     |                                      |
|-------------------------------------|--------------------------------------|
| 1. Power Neutral (115Vac)           | 11. High Alarm Relay Contact         |
| 2. Power Hot (115Vac)               | 12. Common Alarm Relay Contact       |
| 3. Enable Input (115Vac)            | 13. Low Alarm Relay Contact          |
| 4. (+) 10Vdc Reference Output       | 14. Alarm Reset Input (115Vac)       |
| 5. (+) 12Vdc Excitation Output      | 15. No Connection                    |
| 6. (-) 12Vdc Excitation Output      | 16. No Connection                    |
| 7. (+) MagnaValve Output            | 17. Voltage Input (0-5Vdc)           |
| 8. (-) MagnaValve Output            | 18. Input Common                     |
| 9. Circuit Common                   | 19. Circuit Common                   |
| 10. Remote Setpoint Input (0-10Vdc) | 20. Recorder Output Signal (0-10Vdc) |

Note: Green screw for earth-chassis ground used for shield termination.