

# SPECIFICATION SHEET

# AMP

## Powered Control Valve

October 10, 2024

### SPECIFICATIONS

#### FEATURES

Compact form-factor  
Maximum Pressure: 10.2MPa  
Minimum Pressure: 0MPa  
Flow Coefficient CV = 40  
Temperature range: -30 C° to +60 C°  
Position feedback (analogue) via Hall Effect Sensor  
Electric Actuation via Brushless Motor

#### MASS PROPERTIES

Mass: 1.8kg

#### ELECTRICAL PROPERTIES

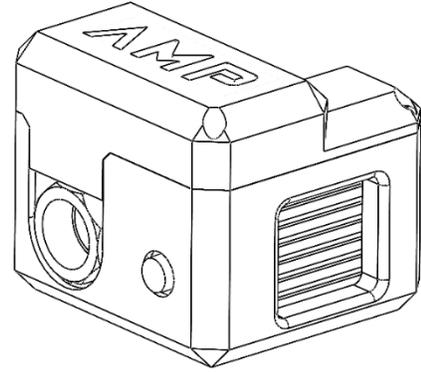
Input Voltage: 12.0V-14.8V  
Maximum current: 4.0A  
PWM Frequency: 50Hz – 400Hz  
PWM Duty Cycle (Closed): 1900us  
PWM Duty Cycle (Open): 1100us  
PWM Duty Cycle (sleep): 0us  
PWM signal voltage: 5V  
Travel time (open to close and vice-versa): 0.7s

#### VALVE PROPERTIES

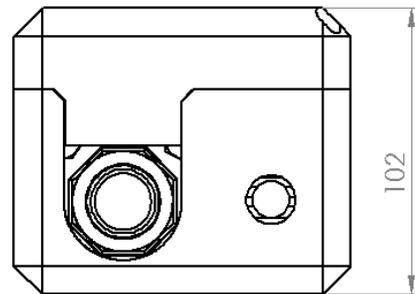
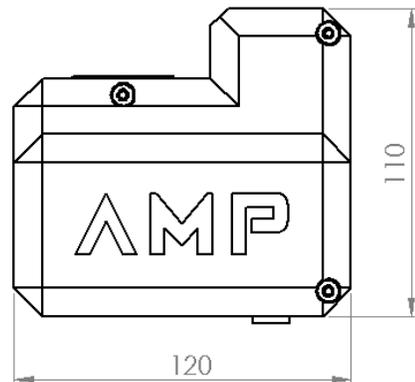
Carbon Steel Body  
Reinforced TFE Seats (RTFE)  
O-Ring Material: FKM  
Pyramidal Stem seal design  
Flow control element: rotating ball

#### INTERFACES

Inlet/Outlet: 3/4 NPT Female  
Power Supply: XT30 Male  
Control/feedback signals: MR30 Male  
Enclosure material: Plastic (Nylon)



ALL DIMENSIONS IN MM



#### AVAILABLE UPGRADES (Contact us for more information)

- Upgraded seal material
- Modified inlet/outlet ports
- Vented valve
- Micro-controller



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