

CV30 with Electric Actuator

BMD's CV30 control valve can be equipped with an electric actuator. The electric actuator takes the place of the standard spring/diaphragm actuator. In addition to being a zero emissions device, electric actuators also have the advantage of high shut off loads and excellent control in a convenient package.

BMD's electric actuator offering includes options for AC and DC power sources, and for both modulating and on/off service.

All standard valve options are available when used with an electric actuator.

Specifications

Power: 120 VAC 50/60 Hz, 12 VDC, 24 VDC

Amp Draw: .8 (AC), 2 (12VDC), 4 (24VDC)

Max Thrust: 1050 lbf

Control Types: On/Off, Modulating, Pulse (DC Only)

Control Signal: 4-20 mA, 1-5 V, 0-5 V, 0-10 V, 2-10 V

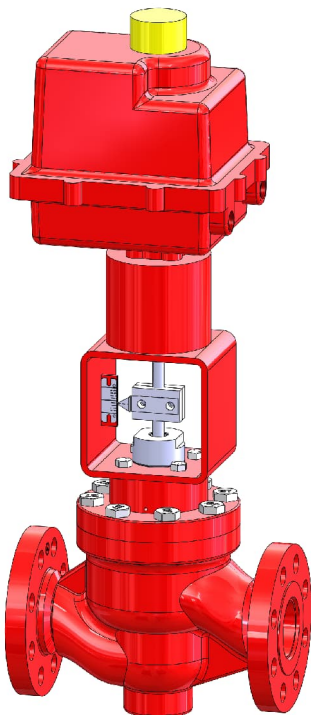
Cycle Time: 8 Seconds

Shut Off: Full Rated Pressure of Valve

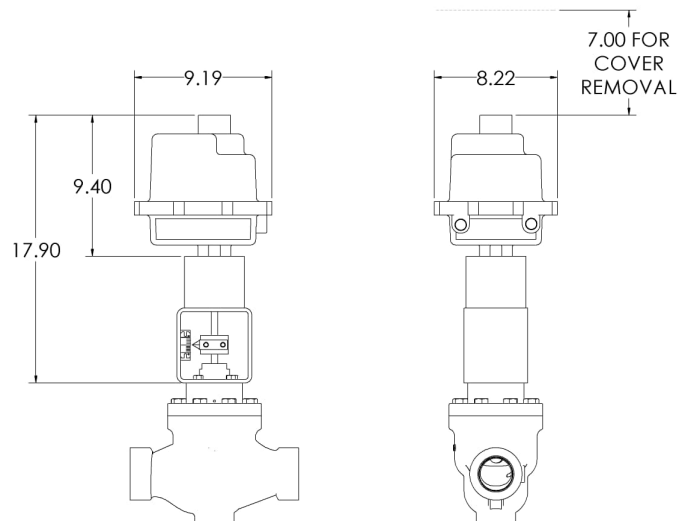
Housing: UL1203 Explosion Proof Enclosure with IP 4X Rating

Housing Connections: Two 1/2" NPT

Max Ambient Temperature: 150° F



Dimensions



How to Order

Example Model No. CV30-2N50E1-1CB-1F

CV30 Series Control Valve, 2" Globe Body, Threaded Ends, 12 VDC Modulating Electric Actuator,
Standard Service, Carbon Steel Body with Buna Seals, D2 Tool Steel Trim with Polyurethane Seat, Full Port

CV30-2 N 50 E 1 - 1 C B - 1 F			
Body Size			
2 - 2" Globe	3 - 3" Globe	4 - 4" Globe	6 - 6" Globe
Connection			
F - RFF	B - Buttweld	J - RTJ	
Class			
50 - NPT (4000psi)	30 - 300	90 - 900	
10 - 150	60 - 600	15 - 1500	
Actuator			
E1 - 12VDC Modulating	E2 - 12VDC On/Off	E3 - 12VDC Pulse	
E4 - 24VDC Modulating	E5 - 24VDC On/Off	E6 - 24VDC Pulse	
E7 - 120VAC Modulating	E8 - 120VAC On/Off		
Service			
1 - Standard	2 - NACE (Trim Options 2 and 4)		
Body Material			
C - Carbon Steel	L - Low Temp Carbon Steel		
Seals			
B - Buna	V - Viton	L - Low Temp HNBR	
A - Aflas (Amine Service)	H - Kalrez (High Temp)		
Trim (Plug Ring/Plug Tip/Seat Ring/Seat)			
1 - D2/Polyurethane Seat (Standard Service)	2 - 316 SST/Low Temp HNBR Seat (NACE)		
3 - Carbide/D2/D2/Polyurethane Seat	4 - Carbide/316 SST/316SST/Low Temp HNBR Seat (NACE)		
5 - 316 SST/Metal Seat			
Trim Size			
F - Full Port	R - Reduced Port		
Trim Size			
Blank - Balanced	U - Unbalanced Metal Seat Trim		

Note: See the CV30 brochure for additional valve data.