



CV15 with Electric Actuator

BMD's CV15 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

Housing: UL1203 Explosion Proof Enclosure with IP 4X Rating

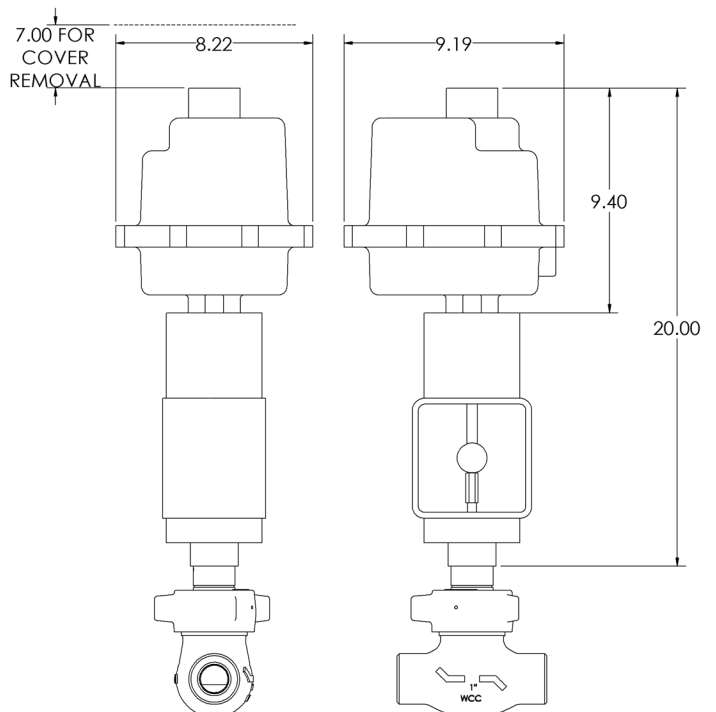
Housing Connections: Two 1/2" NPT

Max Ambient Temperature: 150°F

Maximum Shut-Off Pressures

Trim Size (in.)	Flow Direction	Pressure (psi)
0.25	Up	4000
0.375		4000
0.50		4000
0.75		2163
1.00		1177
1.25		753
1.50		300
0.25	Down	4000
0.375		4000
0.50		4000
0.75		3054
1.00		1500
1.25		960
1.50		300

Dimensions



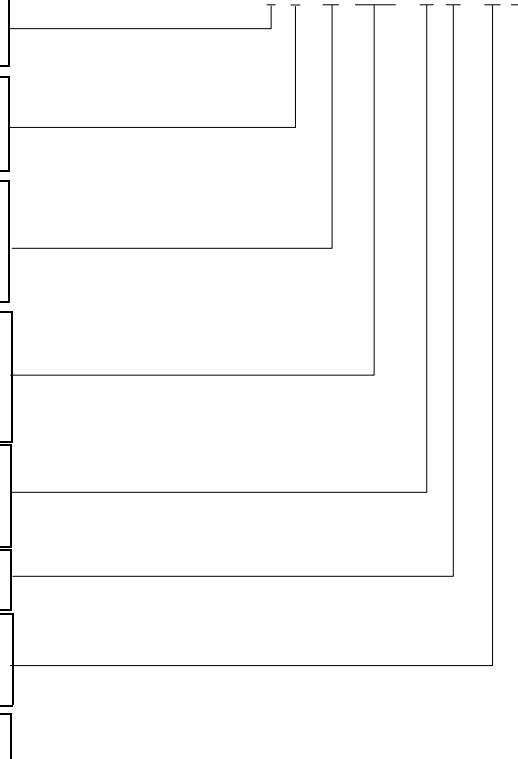
How to Order

Example Model No. **CV15-1N50E1-CB-2Q**

CV10 Series Dump Valve, 1" Globe Body, Threaded Ends, 12 VDC Modulating Electric Actuator, Carbon Steel with Buna Seals, 0.25" Quick Open SST Trim

Body Size			
1 - 1" Globe	3 - 1" Tee	5 - Sand Body	
2 - 2" Globe	4 - 2" Angle		
Connection			
N - NPT (female)	B - Butt weld	W - Socket Weld	
F - RFF	J - RTJ	X - Custom	
Class			
50 - NPT (4000psi)	60 - 600	40 - Shd 40 (Butt weld)	
10 - 150	90 - 900	80 - Shd 80 (Butt weld)	
30 - 300	15 - 1500	16 - Shd 160 (Butt weld)	
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		
Materials			
C - Carbon Steel	N - Carbon Steel NACE	T - Stainless	L - Low Temp Carbon Steel
Seals			
B - Buna	V - Viton®	L - Low Temp Buna	
Trim Size			
2 - 0.25"	4 - 0.50"	8 - 1.00"	12 - 1.50"
3 - 0.375" (3/8")	6 - 0.75"	10 - 1.25"	
Trim Type			
Q - Quick Open Stainless	T - Throttling Stainless		
R - Quick Open Tungsten Carbide	U - Throttling Tungsten Carbide		

CV15-1 N 50 E 1 - C B - 2 Q



Note: See the CV10 brochure for additional valve data.



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