

SERIES ZC CONTROL BALL VALVE WITH CUSTOMIZABLE FLOW CHARACTERISTICS



Series EBVB, 4-20mA option for Electrically Actuated Valves

FEATURES

- Based on the Plast-O-Matic “Engineered” True Blue Ball Valve with dual floating seats and Trunnion design.
- 15°, 30°, 45°, 60°, and 90° V-Balls, Linear Cut or Full Port.
- Ball design can be customized to provide virtually any required flow performance.
- Sizes from 3/8" to 4" in PVC, CPVC, Natural Polypropylene and PVDF.
- Manual control with Series MBVM Metering Manual Ball Valve.
- Electrically actuated electronic control with series EBVB Actuator with 4-20mA or 0-10 VDC digital positioning. The modulating digital positioner offers auto-calibrating and self-resetting functions
- Air Actuated electronic control with series EPP Electro-Pneumatic Positioner.

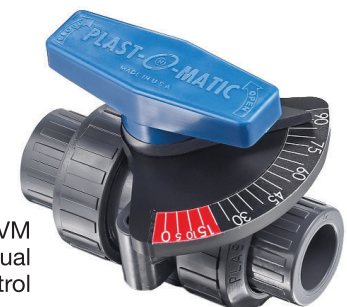
To Specify Characterized Ball Angles

Angle	Suffix	Angle	Suffix
15° V-Cut	-C1	60° V-Cut	-C6
30° V-Cut	-C3	90° V-Cut	-C9
45° V-Cut	-C4	Linear Flow	-CLF

Add suffix to end of ball valve part number.
For example: EBVB1-3-050-EPT-PV-C9
For custom characterized balls, please contact factory



Series EPP, 4-20mA control for Air Actuated Valves



Series MBVM for Manual Control

Standard V-Ball Configurations



15°

30°

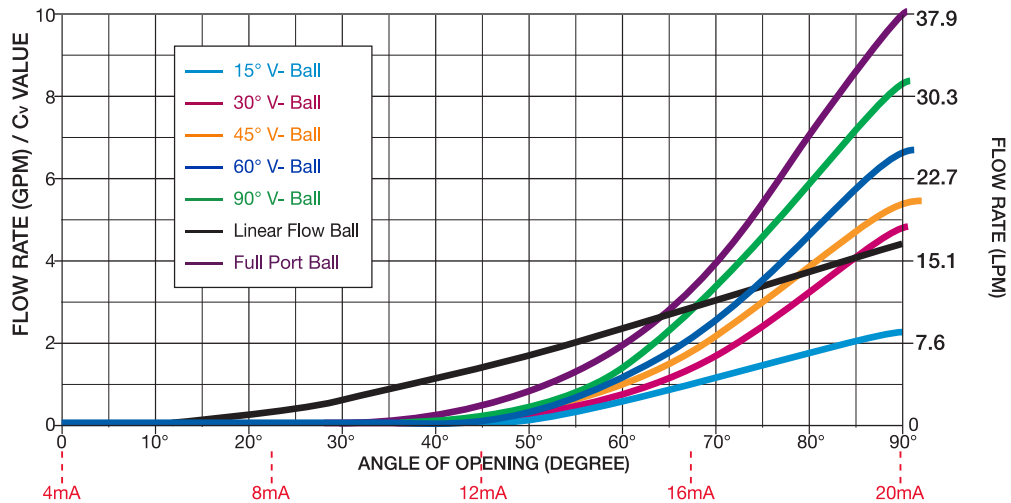
45°

60°

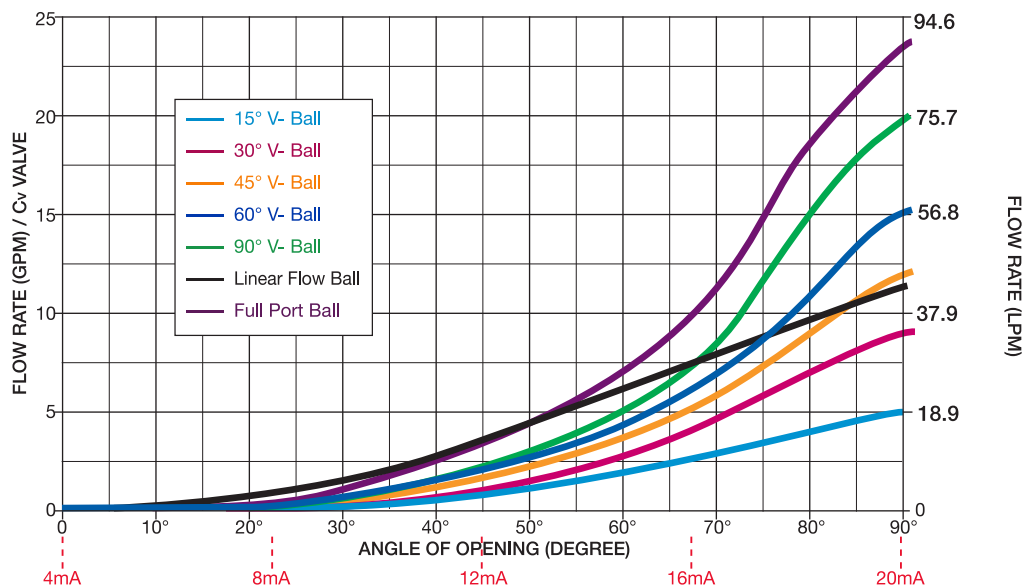
90°

SERIES ZC CONTROL BALL VALVE CHARACTERIZED V-BALL PERFORMANCE CURVES AT 1 PSI (.069 BAR) PRESSURE DROP

1/2" Valve



3/4" Valve



C_v = GPM at 1 PSI ΔP

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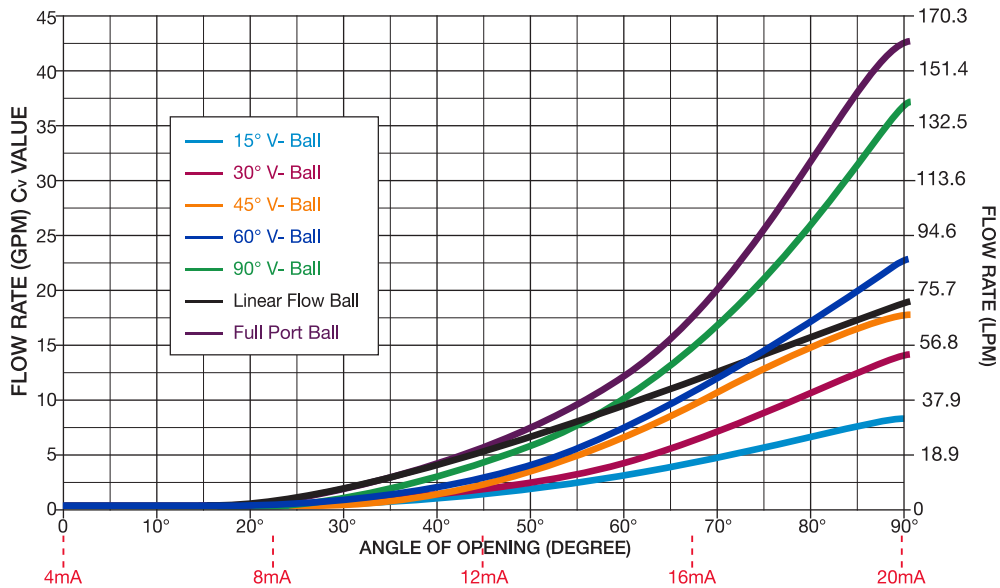
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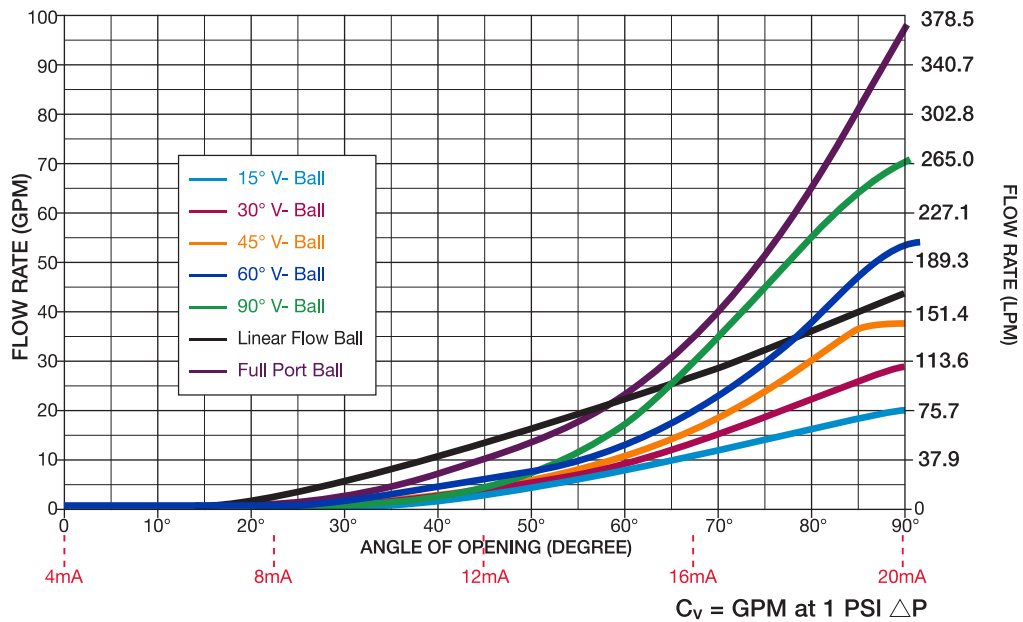
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SERIES ZC CONTROL BALL VALVE CHARACTERIZED V-BALL PERFORMANCE CURVES AT 1 PSI (.069 BAR) PRESSURE DROP

1" Valve



1 1/2" Valve



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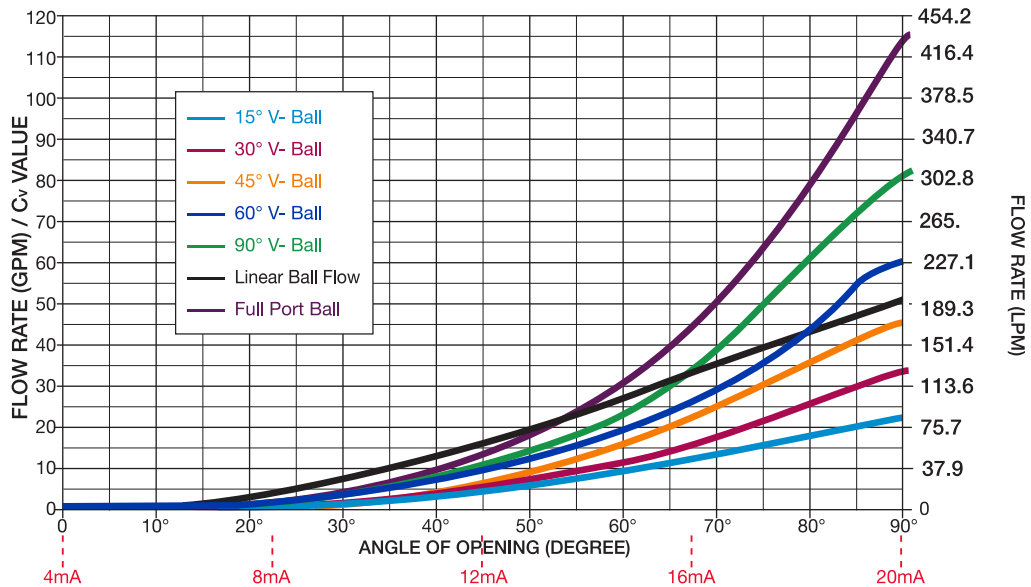
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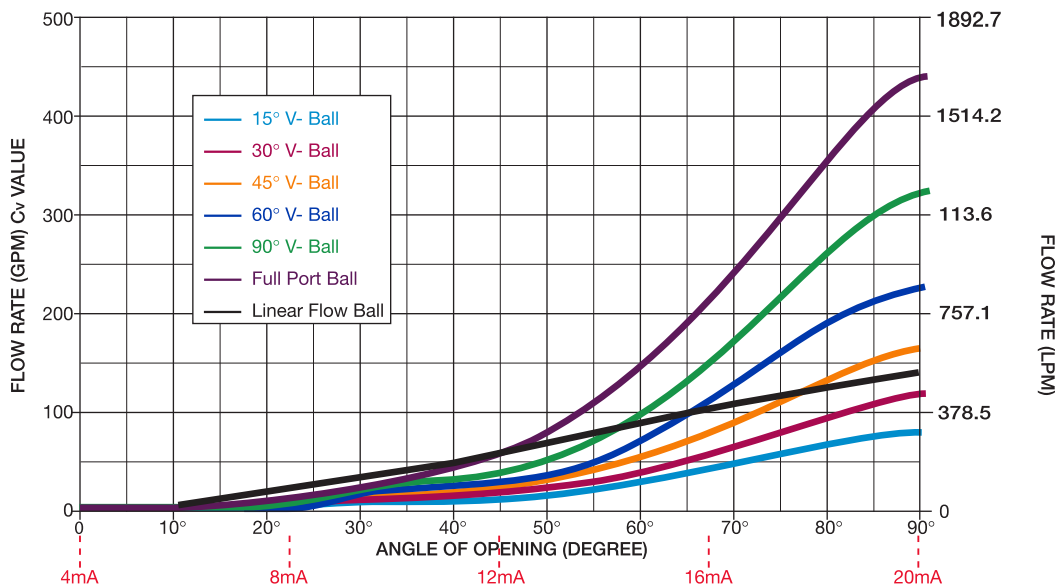
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SERIES ZC CONTROL BALL VALVE CHARACTERIZED V-BALL PERFORMANCE CURVES AT 1 PSI (.069 BAR) PRESSURE DROP

2" Valve



3" Valve



C_v = GPM at 1 PSI ΔP



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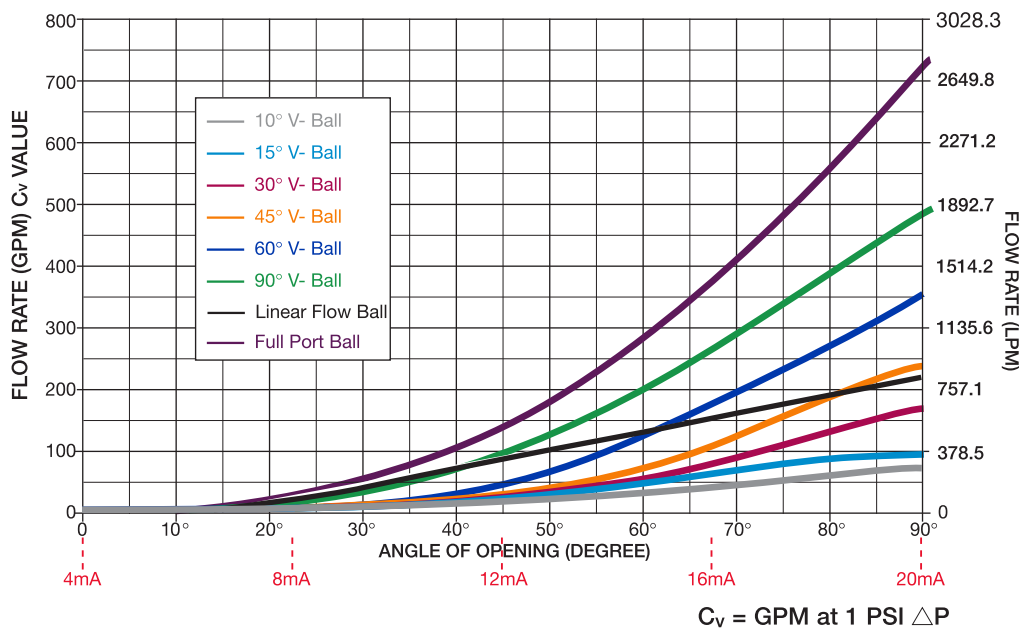


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SERIES ZC CONTROL BALL VALVE CHARACTERIZED V-BALL PERFORMANCE CURVES AT 1 PSI (.069 BAR) PRESSURE DROP

4" Valve



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