

### SERIES ZC CONTROL BALL VALVE WITH CUSTOMIZABLE FLOW CHARACTERISTICS

#### 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 EBVA 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: EBVA1-3-050-EPT-PV-C9

For custom characterized balls, please contact factory



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

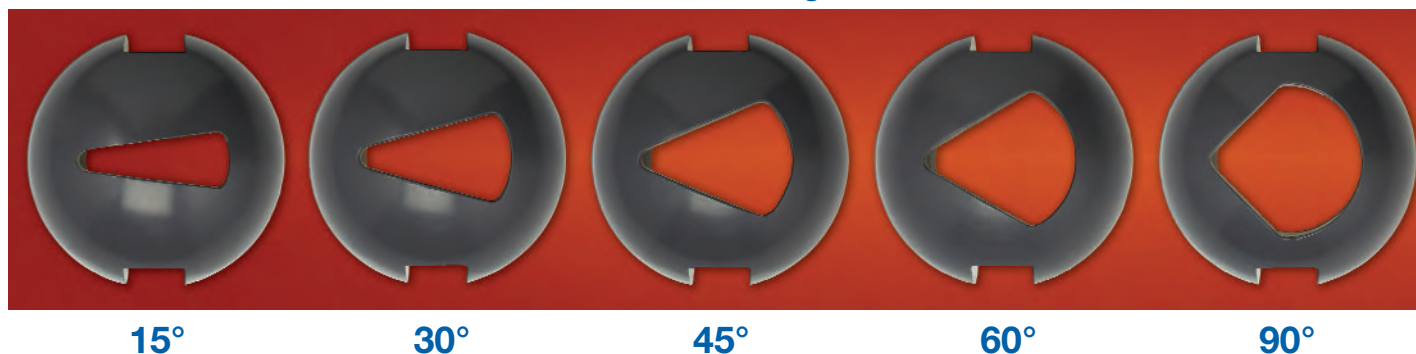


Series EPP, 4-20mA  
control for Air  
Actuated Valves



Series MBVM  
for Manual  
Control

#### Standard V-Ball Configurations



15°

30°

45°

60°

90°



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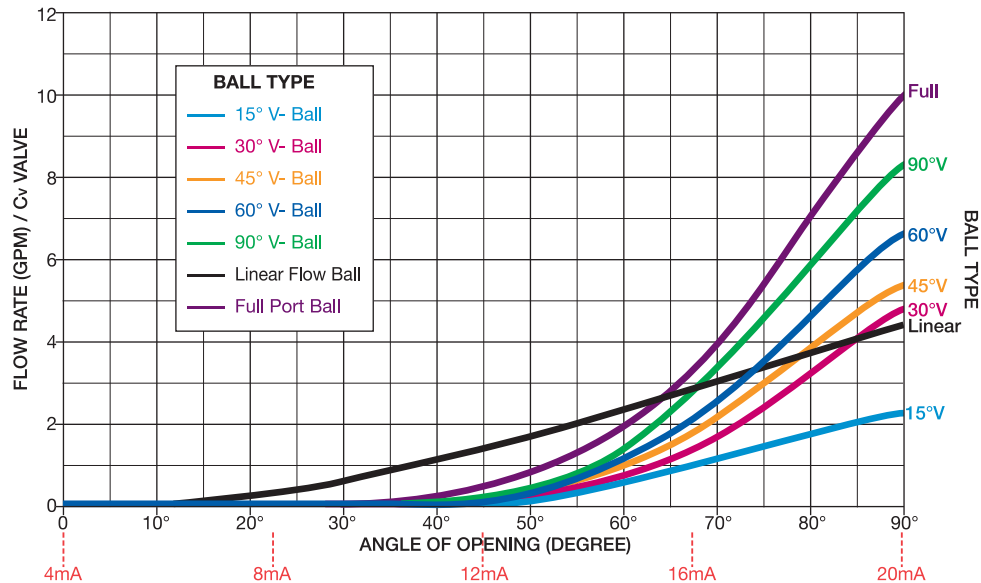
Unit B, 17/F, EGL Tower, 83 Hung To Road, Kwun Tong,  
Kowloon, Hong Kong, China  
Tel: (852) 2344 0201  
Email: sales@qukointl.com

Fax: (852) 2343 6078  
Website: www.qukointl.com

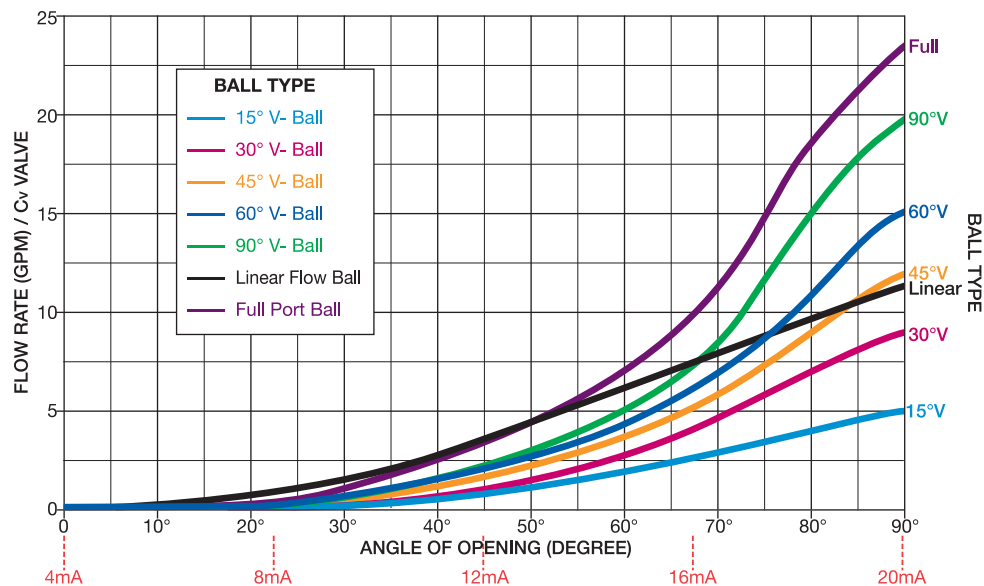


### SERIES ZC CONTROL BALL VALVE CHARACTERIZED V-BALL PERFORMANCE CURVES AT 1 PSI PRESSURE DROP

#### 1/2" Valve



#### 3/4" Valve

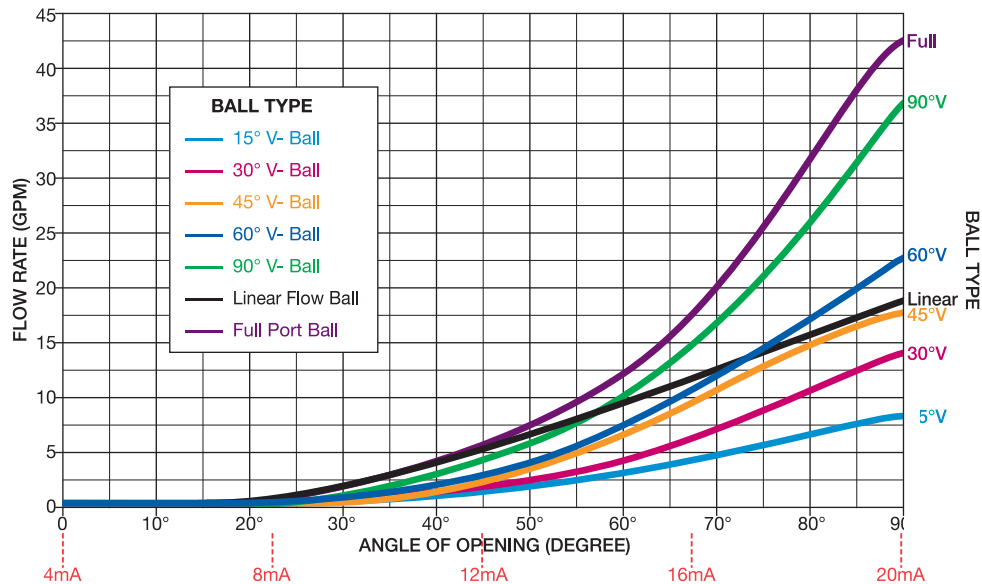


$C_v = \text{GPM at 1 PSI } \Delta P$

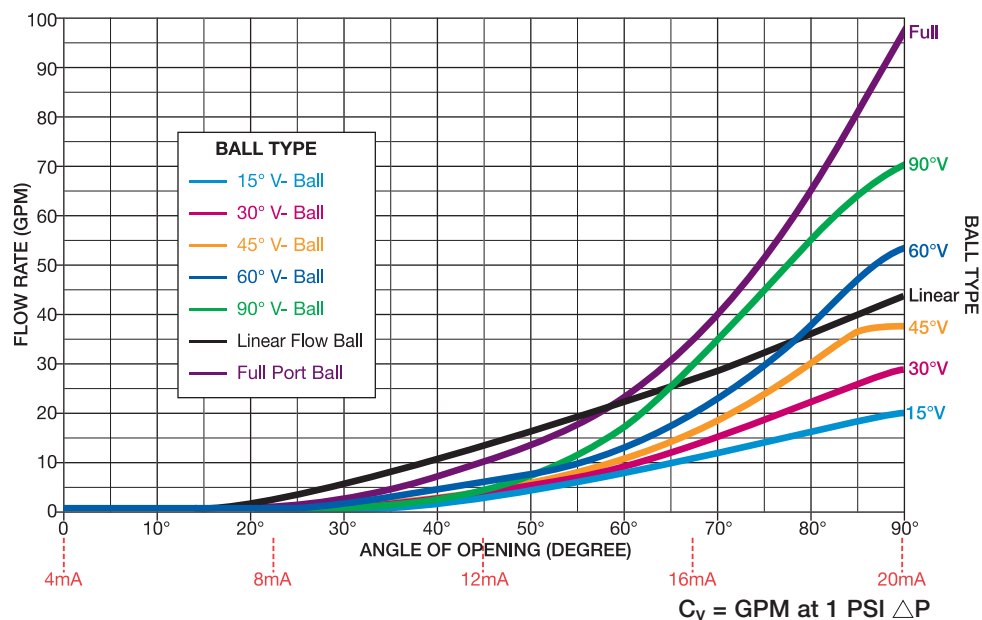


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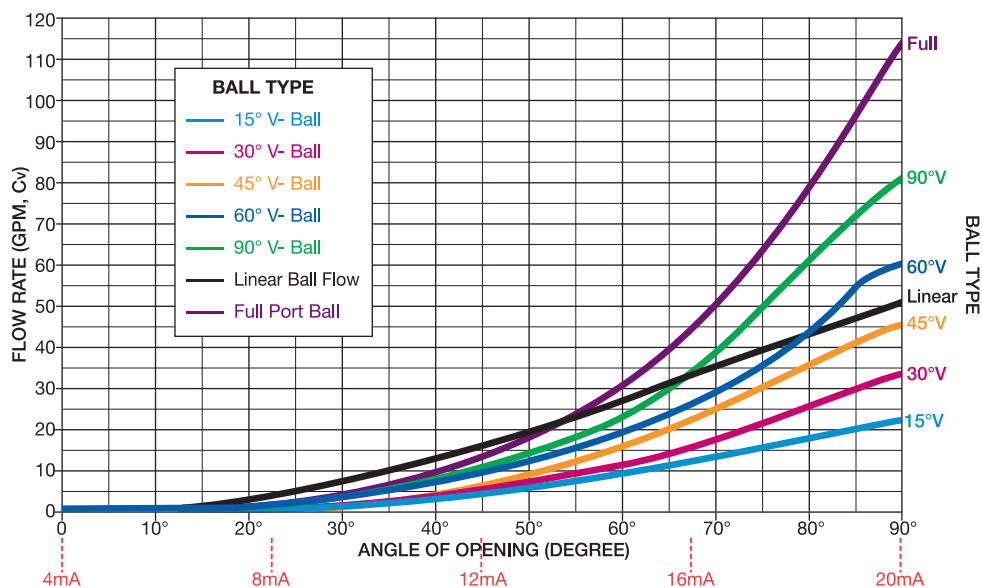
#### 1" Valve



#### 1 1/2" Valve



### 2" Valve



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