Flow Coefficient Information

Scope
- The values given below are applicable to Floating Ball Valve/Trunnion Mounted Ball Valve, when the ball valve is in full open condition.

Flow Coefficient \( C_v \)
- It is the full capacity flow rate through the valve in US gallons/min. of water at 60 °F with a pressure drop of 1 PSI.

Flow Coefficient \( K_v \)
- Volumetric flow rate of water at a temperature between 5 °C (40 °F) and 40 °C (104 °F) passing through a valve and resulting in a pressure loss of 0.1 MPa (1 bar; 14.5 PSI).

\[ K_v = \frac{C_v}{1.156} \]

\( K_v \) is expressed in SI units of cubic meters per hour.

\( C_v \) (in USGPM*) for Full Bore Ball Valves

<table>
<thead>
<tr>
<th>Size/Class</th>
<th>#150</th>
<th>#300</th>
<th>#600</th>
<th>#900</th>
<th>#1500</th>
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* USGPM stands for US gallons per minute.
## Flow Coefficient ($C_v$) — L and G Series Ball Valves

**Product Data Sheet**

October 2015

### $C_v$ (in USGPM*) for Reduced Bore Ball Valves

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* USGPM stands for US gallons per minute.
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