

API 608 valve standard “Metal Ball Valves – Flanged, Threaded and Welding Ends” is a valve standard that covers additional requirements for ball valves that are in full conformance to the requirements of ASME B16.34. This standard covers flanged and butt-welding end valves in standard classes 150, 300 and 600 and socket welding and threaded end valves in standard classes 150, 300, 600 and 800.

Requirements for a ball valve to comply with API 608 include the following:

- Valve pressure-temperature rating shall be the lesser of the shell rating or the seat rating.
- Full and reduced port ball valves must meet minimum bore diameter requirements.
- Stem must be electrically “grounded” to the body (anti-static device).
- Hollow ball components are not allowed (unless specifically accepted by the customer).
- Stem torsional strength must be at least twice the maximum operating torque (Safety Factor = 2).
- Torsional failure of the stem must be external to pressure-containing envelope and stem packing.

Anti-Static Device:

Valves should incorporate an anti-static feature that ensures electrical continuity between the stem and the body, or stem, body and ball providing a discharge path with resistance less than 10 ohms.

The following list of SVF Flow Control ball valves comply with API 608 standard:

- CleanFLOW (with anti-static device)
- Series 8 (with anti-static device)
- H7 (with anti-static device)
- EZ-MAX
- F8/FB8
- EZ9B
- HBEV
- 41C & B41C 150# Flanged Valves
- B42C 300# Flanged Valves
- B43C 600# Flanged Valves

Visit our website, www.SVF.net for more information on our latest valve solutions.