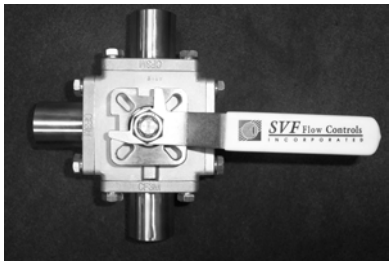
SVF Flow Controls
INCORPORATED

*Performance Engineered*

## Multiported Ball Valve Specifications for Clean Steam Applications-(SMC9)

**High Purity Ball Valves ½" thru 4"**




High Purity ball valve shall be a Multiport design with ISO 5211 Integral Actuator Mounting Pad, non-exposed body bolting and One-Piece seat & seals. The ID of the valve flow path (ball, seats, ends) shall be the same ID as the adjacent tubing to provide minimal hold-up volume and drainability as per latest **ASME BPE SD-3.12.**

**A. Body Materials – 316L Stainless Steel ASTM A351 CF3M. (Standard DT-4/Table DT-3)**

**B. Ball Materials – 316L Stainless Steel ASTM A479 or ASTM A351 CF3M. (Standard DT-4/Table DT-3)**

**C. End Connections**

a) **Clamp style** – 316L Stainless Steel A351 CF3M (dimensions per latest ASME BPE, Part DT-10)

b) **Extended Buttweld (ETO)** - 316L ASTM A-270, Chemical composition and dimensions per latest ASME BPE table DT-3, DT-1 and DT-5. (dimensions per latest ASME BPE, Part DT-9)

**D. Stem** – 316L Stainless Steel ASTM A479, Live-loaded, Blowout proof design and conforming to latest ASME BPE SG-4.

**E. Seats** – Pure TFM, (FDA, USP 23 Class VI), Non-slotted, designed to meet latest ASME BPE SD-3.2.2, SD-3.4.2, SG-4 and rated to withstand continuous flow of saturated steam at a minimum temperature of 266°F (130°C) for a duration of 100 hr minimum under continuous steady-state conditions.

**F. Interior Finish** – Polished to meet latest ASME BPE specification DT-12 and table SF-6.

a) Mechanical Polish to SFV 1

b) Electro-Polish to SFV 4

**G. Markings** – Valves shall be marked to conform to latest ASME BPE DT-3.

**H. Packaging** – Valves to be packaged to conform to latest ASME BPE DT-13.

**I.** Ball valve shall be *SVF "CleanFLOW"* Model # SMC96666AT

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