PBM’s Z-Ball® - Zero Dead Leg Ball Valve Design

Features:
- Eliminates dead-legs in purified water systems and clean steam systems
- Compact size - short branch geometry
- 316L wrought low-ferrite stainless steel, other alloys available
- Manual or pneumatic operation with optional device net
- Mechanical and electro-polished surfaces
- Fully drainable
- Adjustable seats (Adjust-O-Seat®) resulting in both upstream and downstream seal.
- Optional purge porting available

### Z-Ball® - Zero Dead Leg Ball Valve Design

#### PRODUCT
- Sanitary True-bore 2-way (Gas Service)
- Sanitary Clean Steam True-bore 2-way

#### MATERIAL
- 316L Stainless Steel Cast
- 316L Stainless Steel Forged
- Hastelloy C-276
- AL6XN
- Inconel
- Hastelloy C-22
- FS443

#### VALVE SIZE
- 1/2 inch
- 3/4 inch
- 1 inch
- 1-1/2 inch
- 2 inch

#### VALVE SERIES
- PBM Series B
- Series Sanitary Forged + 1% ferrite
- Series Sanitary Cast + 2% ferrite

#### MANIFOLD END CONNECTION BY VALVE END CONNECTION
- BUTT WELD FOR TUBE (MANIFOLD) X TUBING FOR Valve
- HYDROGENIC CLAMP (MANIFOLD) X HYDROGENIC CLAMP (Valve)
- BUTT WELD FOR TUBE (MANIFOLD) X COMPRESSION END (1” Max Valve)

#### PURGE PORTS
- In purge ports required
- In ball flats or ball purge holes required
- In ball flats facing upstream in ball-closed position
- In ball flats facing downstream in ball-closed position
- In ball flats facing upstream in ball-open position
- Ball flats facing downstream in ball-closed position
- Ball flats facing upstream in ball-open position

#### BALL FLATSPURGE HOLES
- In ball flats facing downstream in ball-open position
- In ball flats facing upstream in ball-open position
- Ball flats facing downstream in ball-closed position
- Ball flats facing upstream in ball-open position

#### NUMBER(S) IN PARENTHESES INDICATE VALVE CONFIGURATION PART NUMBER POSITION

#### OPERATOR
- Manual or pneumatic operation with optional device net

#### POLISH
- 316L wrought low-ferrite stainless steel, other alloys available
- Compact size - short branch geometry
- Eliminates dead-legs in purified water systems and clean steam systems
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- Optional purge porting available

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