



HIGH PURITY BALL VALVE

BPE USA STANDARD / DIN 11850 STANDARD / ISO 1127 STANDARD / 3A STANDARD



Surface Roughness SF1 - SF4 HASTEALLOY® C upon request



V-255 SERIES

3PC BALL VALVE
1000PSI
Handle With Locking Device



MD-938 SERIES

3PC BALL VALVE
1000PSI
Full Bar Machined



MD-928 / V-Z58 SERIES

3PC BALL VALVE
1000/720PSI
ISO 5211 Direct Mounted
Handle With Locking Device



K-Z04 SERIES

3PC BALL VALVE
1000PSI
ISO 5211 Direct Mounted
T-Port or L-Port

Application

- Food
- Dairy & Beverage
- Chemical
- Pharmaceutical Industries

Benefits

- Complies with the ASME BPE standard to ensure cleanability.
- USP Approved / FDA Standard / 3A Approved product and quality control.
- Easy to clean and avoid cross-contamination.
- Ideal for use in pigging systems
- Automated or manual control operation available
- Metal parts are defined, as standard, with 316L stainless steel material to provide superior welding quality.
- HASTEALLOY® C or other special material upon request and customized according to your unique working environment.

BPE HIGH PURITY BALL VALVES

• Low Ferrite Content

Because ferrite in process piping promotes roughing, especially in the weld, so users should always choose the equipment with low ferrite, Modentic controls metal parts with low ferrite content less than 3% (1% upon request).

• Tube Connection Feature to Facilitate Automatic Orbital Welding

- ◆ ASME BPE compliant extended tube so that welding can be performed without valve disassembled.
- ◆ Sulfur content on tube ends 0.005%~.0.017% to ensure consistent weldability.

• Surface Finish

- Precision machining
- Mechanical polishing (SF1 Ra20 - 0.5µm)
- Electro-polishing (SF4 Ra15 - 0.38µm)

• Facilities



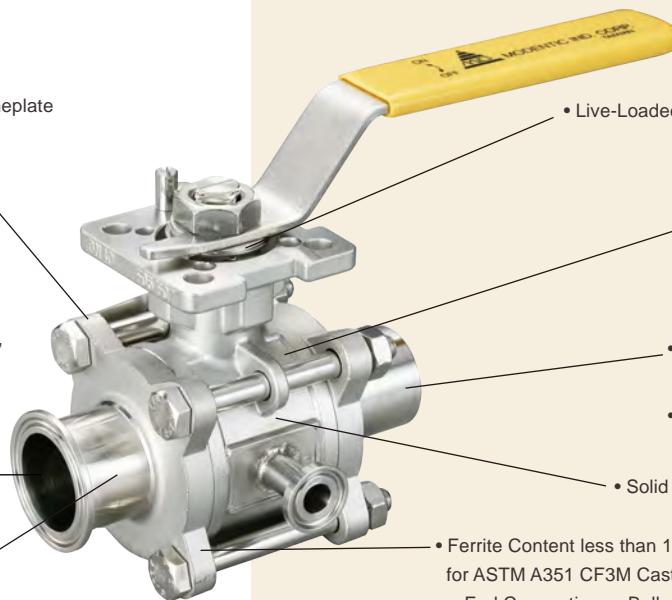
◆ Ferrite Content Measurement

MODENTIC www.modentic.com.tw
 SIZE: 1" ASME-BPE
 W.P. Rating : 1000 psi
 BODY : CF3M
 STEM : F316L BALL : CF3M
 S.F. : SFV1 SEAT : TFM.1600

• Marking on Nameplate

• The ID diameter through ball, seats, and ends are equal to tubing I.D. for US, DIN and ISO.

• Sanitary Clamp End Connections are available on US dimensioned valves



• Live-Loaded Stem Packing

• Standard TFM1600 Seats (Optional Cavity Filled Available)

• Extended Tube Stub Ends as per BPE Standard

• Facilitate Inline Welding Without Valves Disassembly

• Solid CF3M Stainless Steel Ball

• Ferrite Content less than 1% for ASTM A351 CF3M Cast Body
 \ End Connections \ Ball, and SS316 Stem



◆ Ultra-Sonic Cleaning



◆ Surface Roughness Measurement

• Option

- Surface Roughness BPE SF1 - SF4
- Anti-Static Device
- BPE Tube (US Standard) End
- Tube (DIN 11850A) End
- Tube (ISO 1127) End
- Tri-Clamp End

• Seat & Seals

All nonmetallic material chosen are FDA 21 CFR 177/USP23 Class VI compliant-ASME/BPE SD-3.4.2; Design according to SD-3.6.1, SG-4.1.1.6, SG-4.1.1.8 Available : PTFE TFM1600 / PEEK

• Certification

3A Certified for Food / Beverage / Aseptic Industries



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