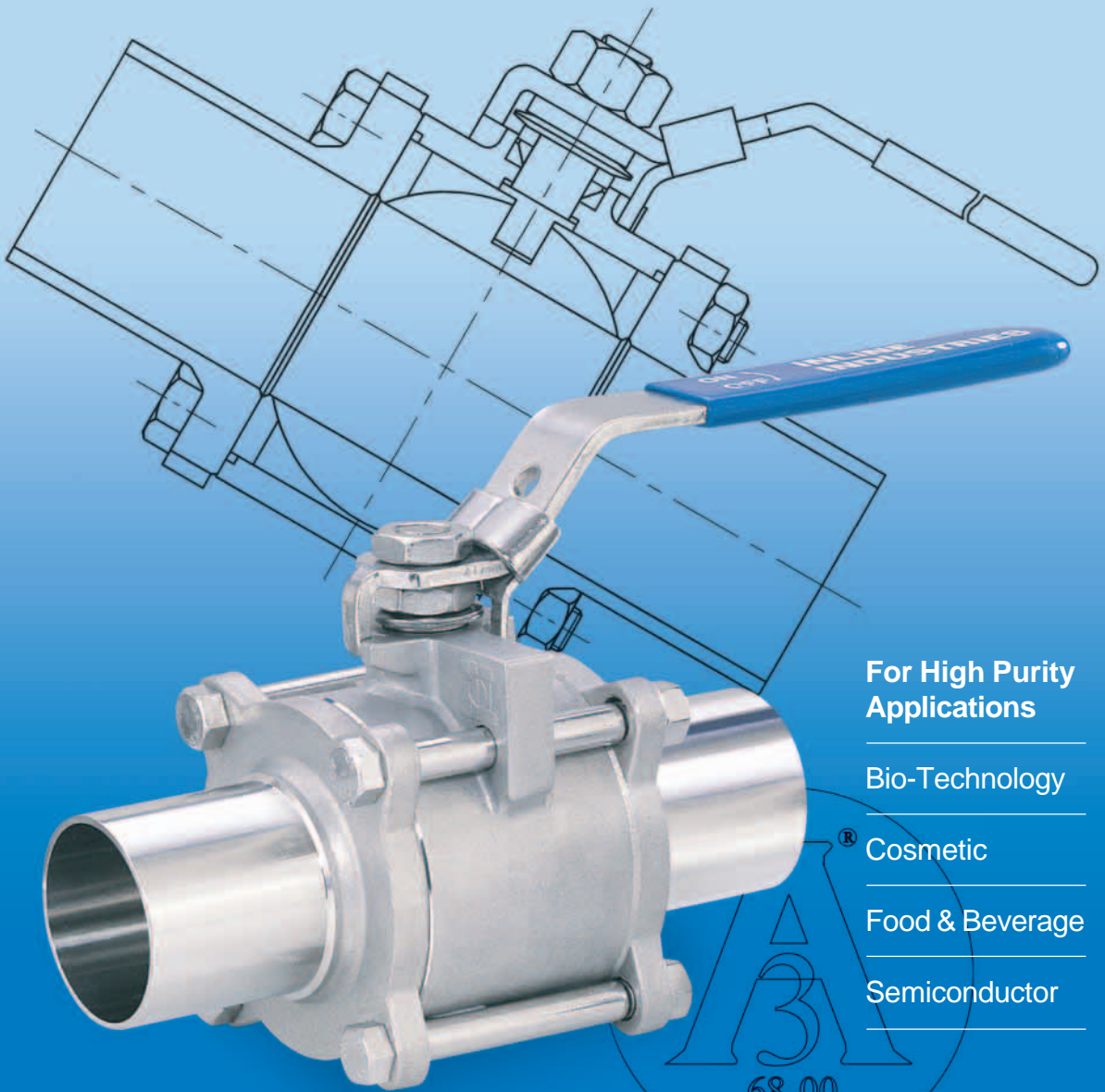


317F Sanitary Ball Valve

3-Piece Tube Full Port



For High Purity
Applications

Bio-Technology

Cosmetic

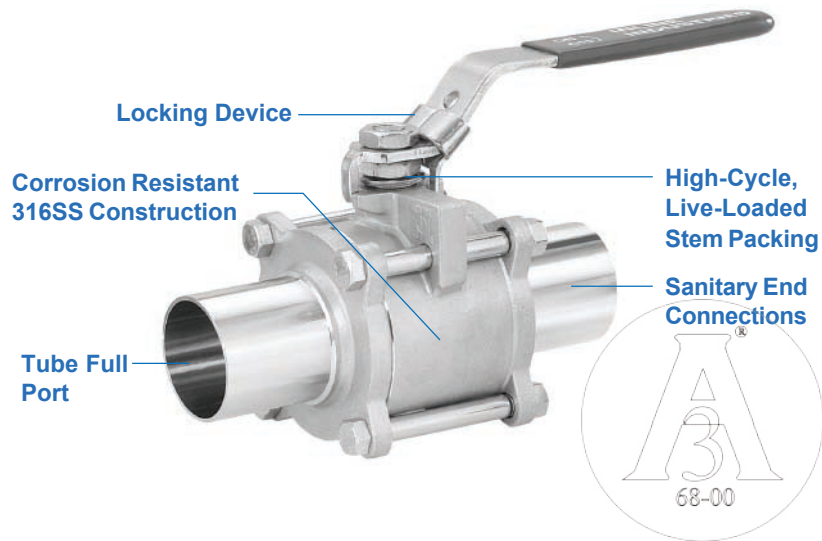
Food & Beverage

Semiconductor

68-00

The 317F Series Sanitary Ball Valve

The 317F series combines tube full port construction with a variety of sanitary end connections to deliver outstanding performance in high purity applications. The valve's uniform bore diameter and polished internal surfaces improve flow characteristics and eliminate pooling of potential contaminants.



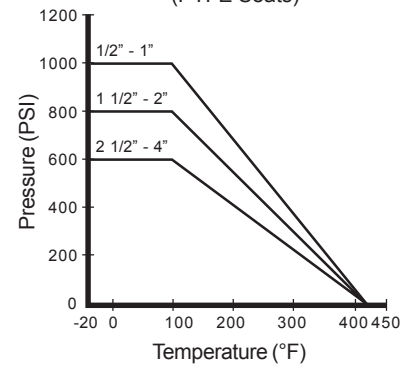
Standard Features and Benefits

- **Tube Full Port Design**
True tube full port construction eliminates pooling of process media and improves flow characteristics for greater efficiency
- **High-Cycle, Live-Loaded Stem Packing**
Ensures tight seal
Extends service life
- **3-Piece Swing-in-Place Construction**
Easy to repair in service line
- **Made of Corrosion-Resistant 316SS (A-351 Gr. CF8M) with 316L SS (A-351 Gr. CF3M) Weld Ends**
One valve can be used for many service conditions
- **Blow-Out-Proof Stem**
Stem is bottom loaded to prevent removal when valve is in service
- **Investment Cast**
Improves dimensional control and reduces porosity
- **Internal Surfaces Roll Burnished Prior to Final Polish**
Reduces surface porosity
Improves surface finish
- **25 Ra Internal Surface Finish**
- **Locking Device**
Enables plant personnel to secure valve in open or closed position when manually operated

Options

- Clamp, tube butt weld, extended tube butt weld ends
- Polish and electro-polish to customer's specification
- Cavity filled seats

317 Pressure / Temperature Chart
(PTFE Seats)



Operating Conditions

- Temperature Range (PTFE): -20°F - 420°F
- Maximum Pressure (PTFE): 1000 PSI (1/2" - 1"), 800 PSI (1 1/2" - 2"), 600 PSI (2 1/2" - 4"), 300 PSI (6")

Specifications

- Valves inspected and tested to API 598 and meet ANSI/FCI70-2 Class VI and MSS SP-61 seat leakage requirements
- All materials comply with applicable ASTM material specifications and USDA and FDA material requirements
- Material test reports available upon request



Cleaning & Electropolishing



Sanitary Products



Automation Systems

317F Ordering Information

Example: 2" Full Port Sanitary Ball Valve with Lever Handle and Locking Device, 316SS Body and Trim, PTFE Seats and Seals, 316SS Clamp Ends, 25 Ra Max Mech. Polish (ID)

Valve Series	Valve Size	Body Material	End Material	Ball Material	Stem Material	Seat	Seal	End Connections	Port	Ball Config.	Surface Finish
317F - Full Port	2* 1/4" 3* 3/8" 5 1/2" 7 3/4" A 1" C 1 1/2" D 2" E 2 1/2" F 3" G 4" I 6"	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	6 - A351 Gr. CF8M (316)	T - PTFE K - PTFE Cavity Filled M - TFM J - TFM Cavity Filled N - TFM 1-Piece Seat/Body Seal	T - PTFE M - TFM N - TFM 1-Piece Seat/Body Seal	O - Tube O.D. Butt Weld C - Clamp (316) P - Compression E - Extended Tube O.D. Butt Weld A - ANSI 150# (316) T - NPT R - I-Line K - Tank Bottom L - Long Clamp	2 - 2 Way	S - Straight Port	None - 25 Ra Max, Mech. Polish SFV1 - 20 Ra Max, Mech. Polish SFV3 - 30 Ra Max, Mech. Polish SFV4 - 15 Ra Max, Electropolish SFV5 - 20 Ra Max, Electropolish SFV6 - 25 Ra Max, Electropolish

* tube butt weld, extended weld, and compression end only

Due to continuous product development, information may change without notice.



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