

307F Sanitary Ball Valve

3-Piece Tube Full Port



For High Purity
Applications

Bio-Technology

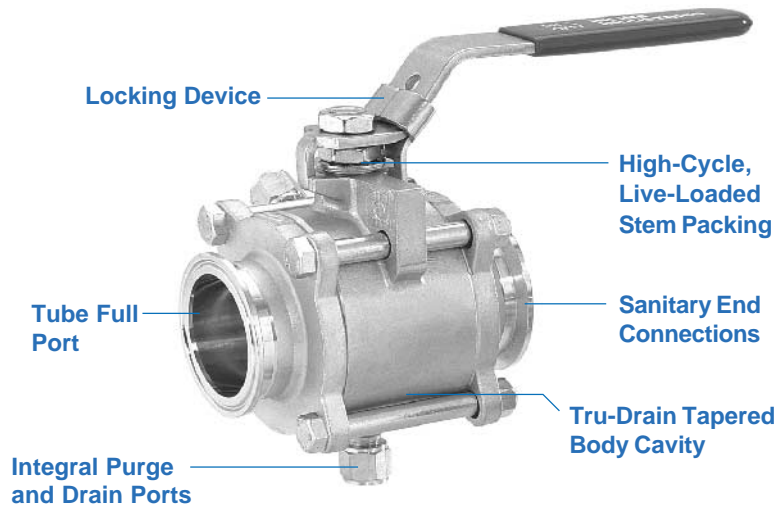
Cosmetic

Food & Beverage

Semiconductor

The 307F Series Sanitary Ball Valve

The 307F series utilizes a unique Tru-Drain tapered cavity body and integral purge and drain ports to eliminate potential pooling. This clean-in-place system provides outstanding performance in high purity applications.



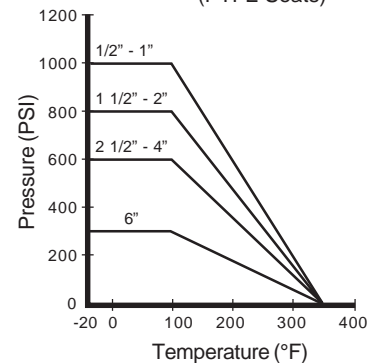
Standard Features and Benefits

- 1 **Tru-Drain Tapered Body Cavity**
Eliminates pooling of process media
- 1 **Integral Purge and Drain Ports**
Quickly drains body cavity
- 1 **High-Cycle, Live-Loaded Stem Packing**
Ensures tight seal
Extends service life
- 1 **3-Piece Swing-in-Place Construction**
Easy to repair in service line
- 1 **316SS Construction with 316L Weld Ends**
One valve can be used for many service conditions
- 1 **Blow-Out-Proof Stem**
Stem is bottom loaded to prevent removal when valve is in service
- 1 **Locking Device**
Enables plant personnel to secure valve in open or closed position when manually operated
- 1 **Investment Cast**
Improves dimensional control and reduces porosity
- 1 **Internal Surfaces Roll Burnished Prior to Final Polish**
Reduces surface porosity
Improves surface finish
- 1 **25 Ra Internal Surface Finish**

Options

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

307 Pressure / Temperature Chart
(PTFE Seats)



Operating Conditions

- 1 Temperature Range (PTFE):
-20°F - 350°F
- 1 Maximum Pressure (PTFE):
1000 PSI (1/2" - 1"), 800 PSI (1 1/2" - 2"), 600 PSI (2 1/2" - 4"), 300 PSI (6")

Specifications

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



Cleaning &
Electropolishing



Sanitary Products



Automation
Systems

307F Ordering Information

Example: 2" Full Port Tru-Drain 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
307F - 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 M - TFM	T - PTFE M - TFM G - Grafoil	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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