

Apollo 87A-380-A0

Stainless Steel ANSI Class 150 Flange x NPT Full Port AAR Ball Valve - 3"

Standards Compliance

ASME B16.5 - "Pipe Flanges and Flanged Fittings"
ASME B16.34 - "Valves - Flanged, Threaded, and Welding End"
API 607 - "Fire Test - Soft Seated Quarter Turn Valves"
API 608 - "Ball Valves - Flanged, Threaded, and Welding End"
MSS SP-25 - "Standard Marking System for Valves"
MSS SP-61 - "Pressure Testing of Steel Valves"
ASME B31.1, B31.3, & B31.8 - Pressure Piping Standards
AAR Approval Number: E009009

Materials of Construction

Description	Material
1. Body	ASTM A351 CF8M
2. Retainer	ASTM A351 CF8M
3. Ball	ASTM A276 Type 316 or A351 CF8M
4. Stem	ASTM A276 Type 316
5. Packing Gland	ASTM A276 Type 316
6. Stem Seals	Graphoil
7. Seats	RPTFE
8. Gland Screws	ASTM A193 B8 Class 1
9. Gland Plate	316 Stainless Steel
10. Lever Screw	18-8 Stainless Steel
11. Lever	316 Stainless Steel
12. Stem Bearing	RPTFE

Standard Features

Two Position Locking Device
Antistatic Grounded Stem
Blow-out Proof Stem Design
Four Point ISO 5211 Mounting Pad Bolt Circle
Full Bore Design for Maximum Flow Efficiency
Slot Vented Ball for Thermal Expansion
Vacuum Service to 29 inches Hg

Description	Material
13. Stop	ASTM A276 Type 316
14. Stop Screw	316 Stainless Steel
15. Lock Plate	302 or 304 Stainless Steel
16. Body Seal	Graphoil
17. Lockwasher	18-8 Stainless Steel
18. Grounding Spring	Stainless Steel
19. Lockwasher	302 Stainless Steel
20. Body Joint Stud	ASTM A193 Grade B8M
21. Body Joint Nut	ASTM A194 Grade 8
22. Lockwasher	302 Stainless Steel

For special configurations contact the factory.

For Pressure/Temperature Ratings, Refer to Page N-9, Graph No. 2

Apollo 87A-385-A0

Stainless Steel ANSI Class 150 Flange x NPT Full Port AAR Ball Valve - 1"

Standards Compliance

ASME B16.5 - "Pipe Flanges and Flanged Fittings"
ASME B16.34 - "Valves - Flanged, Threaded, and Welding End"
API 607 - "Fire Test - Soft Seated Quarter Turn Valves"
API 608 - "Ball Valves - Flanged, Threaded, and Welding End"
MSS SP-25 - "Standard Marking System for Valves"
MSS SP-61 - "Pressure Testing of Steel Valves"
ASME B31.1, B31.3, & B31.8 - Pressure Piping Standards
AAR Approval Number: E009007

Materials of Construction

Description	Material
1. Body	ASTM A351 CF8M
2. Retainer	ASTM A276 Type 316
3. Ball	ASTM A276 Type 316
4. Stem	ASTM A276 Type 316
5. Packing Gland	ASTM A276 Type 316
6. Stem Seals	Graphoil
7. Seats	RPTFE
8. Gland Screws	ASTM A193 B8 Class 1
9. Gland Plate	302 or 304 Stainless Steel
10. Stem Nut	316 Stainless Steel

Standard Features

Two Position Locking Device
Antistatic Grounded Stem
Blow-out Proof Stem Design
Four Point ISO 5211 Mounting Pad Bolt Circle
Full Bore Design for Maximum Flow Efficiency
Slot Vented Ball for Thermal Expansion
Vacuum Service to 29 inches Hg

Description	Material
11. Lever	302 or 304 SS with Vinyl Grip
12. Stem Bearing	RPTFE
13. Stop	ASTM A276 Type 316
14. Stop Screw	316 Stainless Steel
15. Lock Plate	302 or 304 Stainless Steel
16. Body Seal	Graphoil
17. Lockwasher	18-8 Stainless Steel
18. Grounding Spring	Stainless Steel
19. Lockwasher	302 Stainless Steel

For special configurations contact the factory.

For Pressure/Temperature Ratings, Refer to Page N-9, Graph No. 2

Apollo 87A-388-A0

Stainless Steel ANSI Class 150 Flange x NPT Full Port AAR Ball Valve - 2"

Standards Compliance

ASME B16.5 - "Pipe Flanges and Flanged Fittings"
ASME B16.34 - "Valves - Flanged, Threaded, and Welding End"
API 607 - "Fire Test - Soft Seated Quarter Turn Valves"
API 608 - "Ball Valves - Flanged, Threaded, and Welding End"
MSS SP-25 - "Standard Marking System for Valves"
MSS SP-61 - "Pressure Testing of Steel Valves"
ASME B31.1, B31.3, & B31.8 - Pressure Piping Standards
AAR Approval Number: E009008

Materials of Construction

Description	Material
1. Body	ASTM A351 CF8M
2. Retainer	ASTM A351 CF8M
3. Ball	ASTM A276 Type 316
4. Stem	ASTM A276 Type 316
5. Packing Gland	ASTM A276 Type 316
6. Stem Seals	Graphoil
7. Seats	RPTFE
8. Gland Screws	ASTM A193 B8 Class 1
9. Gland Plate	302 or 304 Stainless Steel
10. Stem Nut	316 Stainless Steel
11. Lever	302 or 304 SS with Vinyl Grip
12. Stem Bearing	RPTFE

Standard Features

Two Position Locking Device
Antistatic Grounded Stem
Blow-out Proof Stem Design
Four Point ISO 5211 Mounting Pad Bolt Circle
Full Bore Design for Maximum Flow Efficiency
Slot Vented Ball for Thermal Expansion
Vacuum Service to 29 inches Hg

Description	Material
13. Stop	ASTM A276 Type 316
14. Stop Screw	316 Stainless Steel
15. Lock Plate	302 or 304 Stainless Steel
16. Body Seal	Graphoil
17. Lockwasher	18-8 Stainless Steel
18. Grounding Spring	Stainless Steel
19. Lockwasher	302 Stainless Steel
20. Body Joint Stud	ASTM A193 Grade B8M
21. Body Joint Nut	ASTM A194 Grade 8
22. Lockwasher	302 Stainless Steel

For special configurations contact the factory.

For Pressure/Temperature Ratings, Refer to Page N-9, Graph No. 2
