SESTO VALVES
Premium Italian Valves

Italian Manufactured, Italian Quality

Product Portfolio

PED NACE ISO SIL2 Safety Integrity Level

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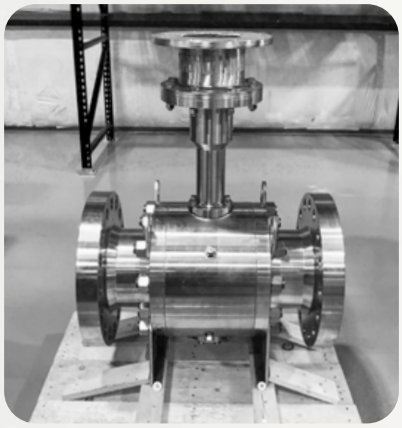
Introduction

Sesto Valves specializes in custom designed ball valve solutions for the chemical, petrochemical and energy industries. Applications include cryogenics, extreme high temperatures, metal seated applications, as well as specialty double block and bleed emergency shutdown valve solutions. Headquartered in Agrate Brianza (MB) Italy, we are a premium ball valve manufacturer with over 30+ years of engineering experience. Our valves are 100% designed, manufactured, and tested in Italy with complete control of product quality and material traceability. We source only the best materials from local and global partners to ensure quality and competitive pricing.

Our philosophy is to make valves that fit your application, not the other way around. We match materials and trims to maximize performance and reliability, with ready access to special coatings and exotic or super alloys. Our engineers design valves to optimize fit and function, including special face-to-face, multiport or combination valves for cost and space savings. Our quality team inspects every component and runs extensive performance tests for design verification and production phases, and can also include your own customer specified testing. In order to provide a more complete solution, we partner directly with key valve automation industry leaders to provide actuation and automation controls in a comprehensive valve package. Contact Sesto Valves today with your most difficult valve application and we'll give you our best resources and expertise to help you reach your goals.



Europe

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SESTO VALVES Premium Italian Valves

Technical Scope

Materials

Body:	Carbon Steel	A105N
	Low Temp Carbon Steel	A350 GR LF2, LF3 A694 GR F42-F70
	Martensitic Stainless Steel	A182 GR F6A, F6NM
	Martensitic Precipitation	A564 GR 630 (17-4/PH)
	Austenitic Stainless Steel	A182 GR F316, F316L, F321
	Duplex & Super Duplex	A182 GR F51, F53, F55
	Super Alloy, Precipitation	A638 GR 660 (iron base)
	Nickel Chromium Alloy	Inconel® Alloy 625, 718 Incoloy® Alloy 825

Ball: LF2, F6, F304, F316, Duplex, Inconel®, Incoloy®, Monel

Stem: F6A, AISI 410, F304, F316, G630 17-4/PH, Duplex, Inconel, Monel

Seat Insert: PTFE, RPTFE Carbon, PCTFE (KEL-F), STFE, TFM, CTFM, Nylon, Nylon 6, Viton, PFA, Devlon, Delrin, PEEK, Metal

Hardware: B7/2H, L7/Gr.7, B8M/Gr. 8M, F51

Certifications and Compliance

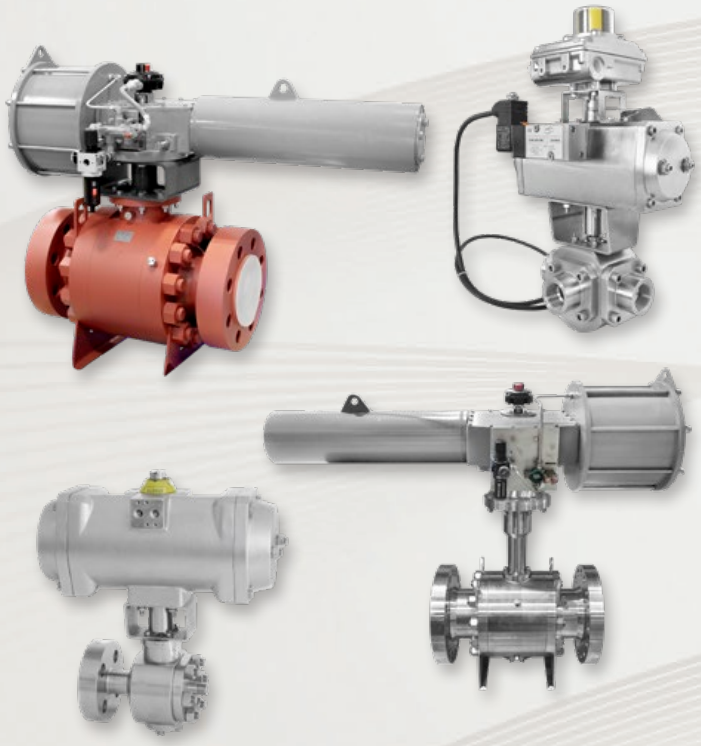
Sesto Valves are designed and manufactured to internationally recognized standards including but not limited to the following:

Fire Testing: API 607, API 6FA, BS 6755 Part II

Testing: API 6A, API 598, API 17D, ISO 5208, BS 6755 Part I

Marking: API 6A, MSS-SP-25, PED

Certifications: API607, SIL, NACE, MR0175, PED, Fugitive Emissions



Design

Valve: API 6D/6A, ASME B16.34, ASME VIII, ASME B31.3, API 608
Ends: ASME B16.5, ASME B16.47, API 605, API 6A, ASME B16.25
Face-to-Face: API 6D, ASME B16.10, API 6A
Pressure: ASME B16.34
Temperature: ASME B16.34
Bleed: API 6D/6A, MSS SP-45
Anti-Static: BS 5351
Materials: ASTM, AISI, UNS, NACE MR 01 03
Fire: API 6FA, API 607, BS 6755 Part II
Testing: API 6D, ISO 5208, API 6A, BS 6755 PT 1, API 598, API 17D
Marking: MSS SP-25, API 6D/6A

Features and Benefits

- Class 150 to Class 2500
- Full and Reduced Bore
- Body Wall Thickness ASME B16.34, Forged or Cast Versions
- Face-to-Face Dimensions API 6D, ASME B16.10, HUB on Request
- Drain and Vent Body Configurations
- Emergency Sealant Injectors as Standard
- Blowout Proof, Low Torque Guided Stem Design
- Anti-Static Device and Live-Loaded Packing
- Wide Range of Soft Seat and Metal Seat Options
- Single or Double Piston Effect on Request
- Manual, Electric, Pneumatic, or Electro-Hydraulic Operators Available
- Custom Face-to-Face Lengths Available per Customer Requirement

Partial List of Service Applications

- General Service
- Ambient Low Temperatures (-46°C)
- Cryogenic (-196°C)
- High Temperature
- High Pressure
- Underground, Off-Shore
- Oil & Gas Transportation, Drilling, Distribution
- Gas Compression Processes
- Liquefied Natural Gas Handling and Transportation
- ESD Emergency Shut Down
- Sour Service

Testing per API Requirements

Product Scope

150# to 2500#
¼" thru 8"

Floating Ball Valves

- Class 150 to Class 2500
- Size Range ¼" thru 10" (Class Dependent)
- Full and Reduced Bore
- Body Wall Thickness ASME B16.34, Forged or Cast Versions
- End Connections: SW, BW, RF, RTJ, NPT, BSP, Special
- Fire-Safe Design API 607
- Blowout Proof, Low Torque Guided Stem Design
- Anti-Static Device and Live-Loaded Packing
- Fugitive Emissions ISO 15848
- Wide Range of Soft Seat and Metal Seat Options
- Manual, Electric, Pneumatic, or Electro-Hydraulic Operators Available
- Custom Face-to-Face Lengths Available per Customer Requirement

150# to 2500#
½" thru 36"

Trunnion Ball Valves

- Class 150 to Class 2500
- Size Range ½" thru 36" (Class Dependent)
- Full and Reduced Bore
- Body Wall Thickness ASME B16.34
- End Connections: RF, RTJ, BW, SW, NPT, BSP, Special
- Fugitive Emissions ISO 15848
- Fire-Safe Tested API 607
- Emergency Sealant Injectors Optional
- Anti-Static Device and Live-Loaded Packing
- Guided Seat Design
- Blowout Proof, Low Torque Guided Stem Design
- Wide Range of Soft and Metal Seated Options
- Manual, Electric, Pneumatic, or Electro-Hydraulic Operators Available
- Custom Face-to-Face Lengths Available

150# to 2500#
½" thru 12"

Multiport Ball Valves

- Class 150 to Class 2500
- Size Range ½" thru 12" (Class Dependent)
- Custom Sizes by Request
- 3-Way and 4-Way Configurations (T, L, Double L)
- 4-Seat Design, Universal Inlet/Outlet
- Floating Full and Reduced Bore
- Single Body Construction (No Top Flange)
- Fire-Safe Design API 607 Available
- Blowout Proof, Low Torque Guided Stem Design
- Anti-Static Device and Live-Loaded Packing
- Fugitive Emissions ISO 15848
- Wide Range of Soft Seat and Metal Seat Options
- A105N, LF2, LF3, Forged Body Options
- Special Materials Available Upon Request

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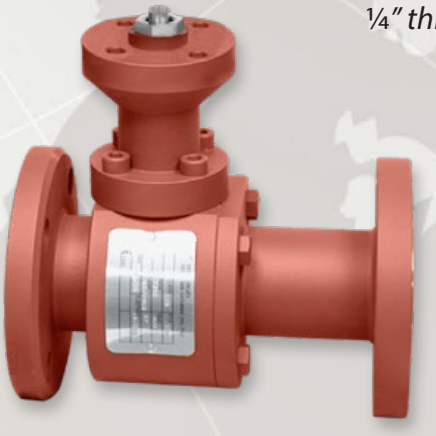
150# to 2500#
¼" thru 36"



Severe Service

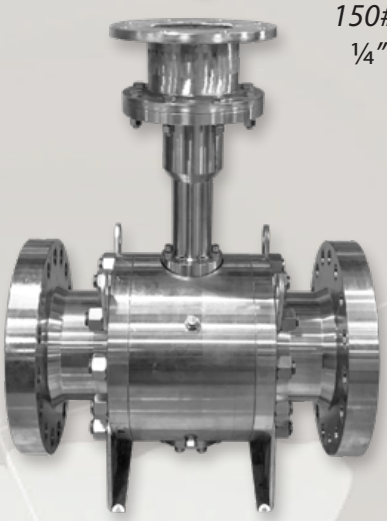
- Class 150 to Class 2500
- Size Range ¼" thru 36" (Class Dependent)
- *Metal Seated* Class V and Class VI Shutoff
- Uni-Directional and Bi-Directional Service
- Floating and Trunnion, Full and Reduced Bore
- Body Wall Thickness ASME B16.34, Forged or Cast Versions
- Fire-Safe Design API 607
- Blowout Proof, Low Torque Guided Stem Design
- Live-Loaded Packing and Anti-Static Capable
- Fugitive Emissions ISO 15848
- Various Coatings and Materials Available
- Extended Bonnet/Stems Available
- Custom Designs Available per Customer Requirement

150# to 2500#
¼" thru 18"

Block & Bleed

- Class 150 to Class 2500
- Size Range ¼" thru 18" (Class Dependent)
- Single and Double Isolation, Multi-Port Designs Available
- Floating and Trunnion, Full and Reduced Bore
- Bolted Body Facilitates Inline Maintenance
- Venting Designs in Multiple Configurations
- Fire-Safe Design API 607
- Fugitive Emissions ISO 15848
- Wide Range of Soft Seat and Metal Seat Options
- Custom Face-to-Face Lengths Available per Customer Requirement

150# to 2500#
¼" thru 24"

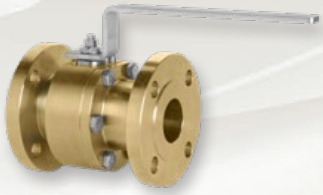


Cryogenic

- Class 150 to Class 2500
- Size Range ¼" thru 24" (Class Dependent)
- Floating and Trunnion, Full and Reduced Bore
- Body Wall Thickness ASME B16.34, Forged or Cast Versions
- Cryogenic tested to -196°C (-320°F)
- Fire-Safe Design API 607
- Vented Ball Standard
- Blowout Proof, Low Torque Guided Stem Design
- Live-Loaded Packing and Anti-Static Capable
- Fugitive Emissions ISO 15848
- PTFE, TFM, CTFM, PCTFE (KEL-F®) and Metal Seats Available
- Valves are degreased, cleaned and packaged prior to shipping
- Custom Face-to-Face Lengths Available per Customer Requirement
- Manual, Electric, Pneumatic, or Electro-Hydraulic Operators Available

Custom Applications

ASTM B505 C95800
Nickel Aluminum Bronze



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Vent Valve

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