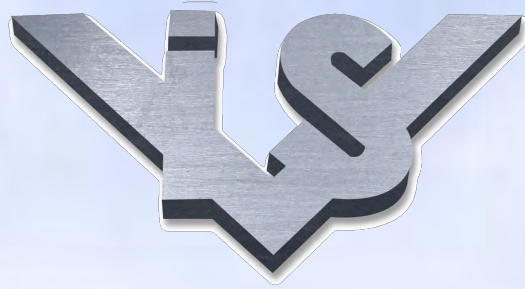
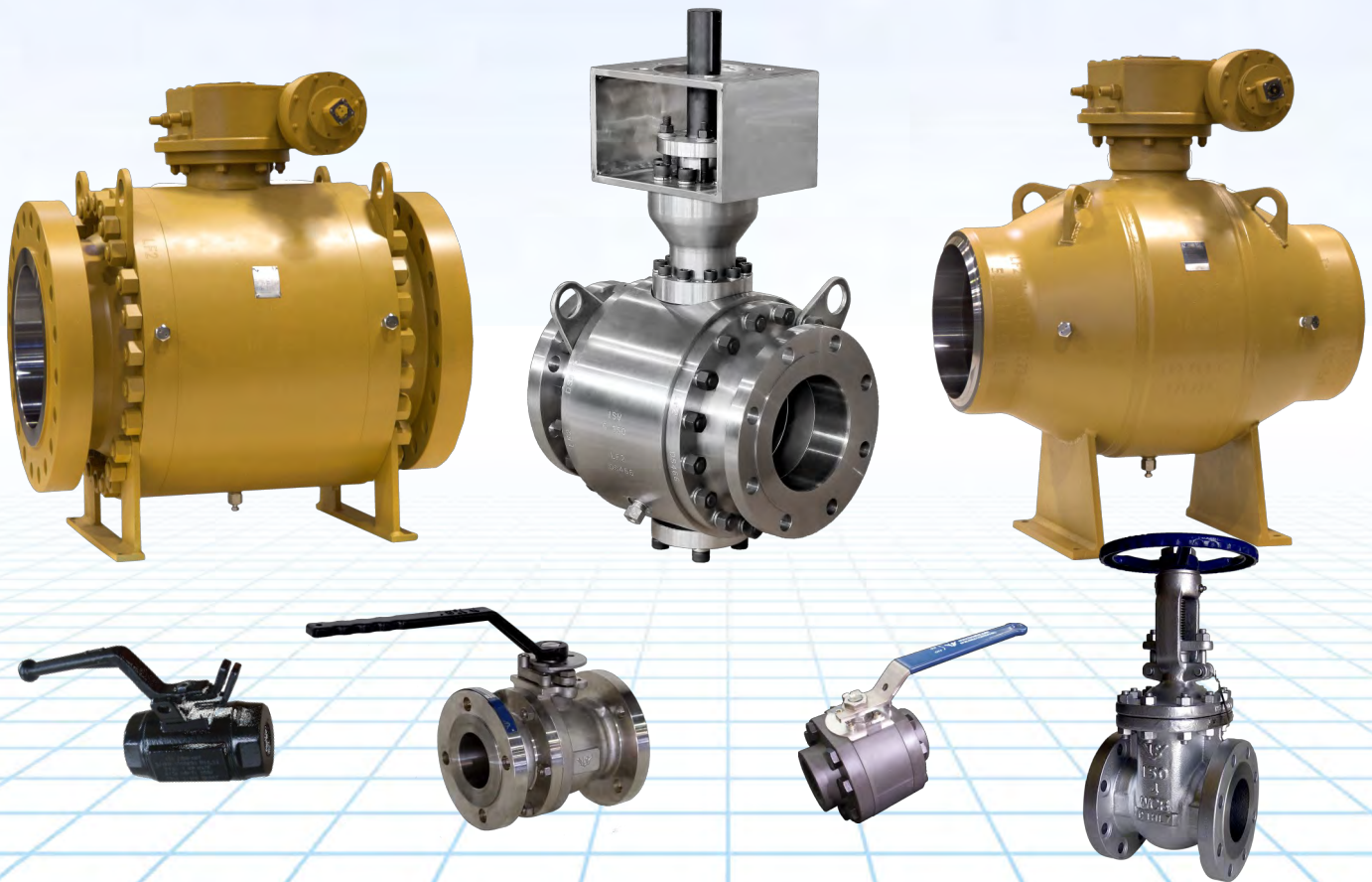


INTERNATIONAL STANDARD VALVE



ISV

“ ISV’s standard features are other’s special options “



Product Summary



is a registered trademark of International Standard Valve, Inc.

www.isvalve.com sales@isvalve.com

Bulletin No. ISV-SB300.20 Issue 05/2024



About ISV



International Standard Valve, Inc. was founded in 2010. From our facility in Stafford, Texas, **ISV** industrial valves are specifically designed and manufactured for oil, gas, petrochemical, mining, power generation and general industrial applications.

All ISV valves meet or exceed industry standards.

Our core competences reside in two key areas; code compliance and quality assurance.

- **Fully code compliant products:** ISV offers a variety of industrial valve products designed to be in full compliance with API and ASME piping codes and standards, providing customers a wide range of valve choices in meeting critical industry regulations of DOT and ASME B31 piping code requirements.
- **Multi-layered quality assurance:** ISV's quality assurance program includes unique levels of in-house inspections & pressure testing of our internationally produced valves at the **ISV** Houston facility. ISV maintains material certification database at the component level for extended product traceability.

The **ISV** product line include valve sizes ranging from 1/4" to 56" and pressures through ASME Class 2500 and up to 10,000 psi working pressures.

ISV valves are produced domestically in our ISO 9001 and API 6D certified facility in Stafford, Texas and internationally by our well established manufacturing partners in Taiwan and China.

Design, assembly and testing of 1/4" through 42" is conducted in Stafford.

ISV utilizes advanced techniques in operational activities to efficiently achieve continual improvements in product reliability and service quality. Systems include ERP manufacturing software system, bar coded serialization, material certification data base and inspection record retention.



ISV Quality, Design and Production Standards

- All manufacturing is conducted under ISO 9001 certified Quality Management Systems.
- Engineering and design review is documented under *ISV Design Control File System*.
- Products are stringently manufactured in accordance with applicable industry standards and to specific *ISV Product Design Specifications*.
- Designs are compliant with ASME B16.34, API 608, API 600, API 6D and MSS-SP110.
- Pressure Testing is conducted to API 6D, API 598, MSS SP-110 as applicable.
- Fire test certifications to API 607 and API 6FA as applicable.
- All ISV valves certified to NACE meets the predefined material requirements of NACE MR-0175/ISO 15156 or NACE MR-0103.
- Material Test Reports per EN 10204-1991 3.1.B & EN 10204 3.1 available for each valve.



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Bulletin ISV-SB300.20





ISV - Stafford, Texas - Overview

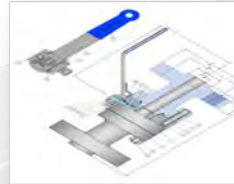
ISV is committed to providing our customers with the highest of quality products and the finest service in the industry at a competitive cost of ownership. Operational activities are conducted from our facility in Stafford, Texas.



Engineering & Design

ISV valves are designed utilizing the latest engineering technologies, enabling fast precise solutions to demanding valve applications. Product engineering/design packages are prepared in-house.

ISV can provide a wide range of product configurations to meet with customer special design and feature requirements.



Final Assembly & Testing

All ISV ball valves are manufactured in strict accordance with industry standards and ISV Product Design Specifications whether produced domestically or internationally. Final assembly & testing of selected ISV products is performed in-house by well trained qualified personnel in a safe & ecologically responsible environment.

The result is consistently high product quality & reliability.



Quality Control

ISV's Quality Management System is maintained at all levels of production in accordance with ISO 9001 and API Q1.

Each valve is serialized.

Material test reports, including chemical and mechanical material characteristics and pressure test results are available with each valve.

Each ISV valve undergoes pressure testing to applicable standards.

Each valve carries full ISV warranty and warranty services.

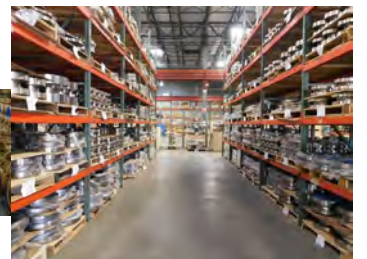
The result is high product quality & lower total cost of ownership.



Accurate Inventory & Documentation

All ISV products, component parts, material certifications, material verifications, serialization, performance tests, order entry, shipping & receiving is managed through computerized ERP systems. Products are bar code labeled for improved handling accuracy.

The result is fast, accurate, reliable service and documentation.








Customer Service






ISV customer service & material handling staff are fully trained and ready to help with your technical and logistical requirements.

Most quotations and order shipments are performed on the same day of request.



Valve Type	Pipeline, Oil & Gas Service - Double Block & Bleed Valves			
				
ISV Series	BT3GU (Stafford Production) BT3G (Int'l Production)	BT3EU (Stafford Production) BT3E (Int'l Production)	BT3B (Int'l Production)	BF1LU (Stafford Production) BF4LU (Stafford Production)
Design Standards	API 6D / API 608	API 6D / API 608	API 6D / API 608	API 608 / ASME B16.34
Standard Design Features	Trunnion Mounted Ball Valve, 3 Piece, welded body, DB&B, DIB-1 & DIB-2	Trunnion Mounted Ball Valve, 3 Piece, bolted body, DB&B, DIB-1 & DIB-2	Trunnion Mounted Ball Valve, 2 Piece, bolted body, DB&B	Floating type ball valve. Double Ball, Double Block & Bleed,
Sizes	1.5" - 56"	1.5" - 48"	2" - 16"	1/2" - 6"
Pressure Range	Class 150 – 2500	Class 150 – 2500	Class 150 – 600	Class 150 – 2500
Port	Full Port & Reduced Port	Full Port & Reduced Port	Full Port & Reduced Port	Full Port & Reduced Port
Body Materials	Forged A105N, LF2C11 or F316SS	Forged A105N, LF2C11 or F316SS	Cast Carbon Steel, Low Temp C.S. or Stainless Steel	Forged A105N, LF2C11 or F316SS
Trim Materials	C.S +ENP, SS or Metal-to-Metal	C.S +ENP, SS or Metal-to-Metal	C.S +ENP, Stainless Steel	F316SS or Metal-to-Metal
Seat/Seal Materials	Nylon, Devlon, PEEK or RPTFE / HNBR, Viton, FFKM	Nylon, Devlon, PEEK or RPTFE / HNBR Viton, FFKM	RPTFE, Devlon, Nylon or TFM / HNBR or Viton	TFM4215, PCTFE, PEEK or TCC / Graphite
End Configurations	Flanged, Weld ends	Flanged, Weld ends, HUB ends	Flanged ends	Flanged, Weld ends, HUB ends
Locking Device	standard	standard	standard	standard
Actuator Pad	ISO - standard	ISO - standard	ISO - standard	ISO - standard
Optional Features	Thermal relief system, Buried service extensions, Coatings	Thermal relief system, Buried service extension, Coatings	External coatings	Drain / vent valve connection options
Pressure Test	API 6D	API 6D	API 6D	API 598
Conformance Standards	API 607/6FA fire safe, ASME B16.5, B16.10, B16.25, B16.34, NACE compliant	API 607/6FA fire safe, ASME B16.5, B16.10, B16.25, B16.34, NACE compliant	API 607/6FA fire safe, ASME B16.5, B16.10, B16.34, CE NACE compliant	API 607 fire safe, ASME B16.5, B16.25, B16.34, NACE compliant








Valve Type	Oil & Gas Service - Ball Valves			
				
ISV Series	BT4EU (Stafford Production) BT4E (Int'l Production)	BT7EU (Stafford Production) BT7E (Int'l Production)	I-136 & I-138	IA, IAH, IC & ICH
Design Standards	API 6D / API 608	API 6D / API 608	ASME B16.34	oilfield design
Standard Design Features	Metal Seated Trunnion Mounted Ball Valve, 3 Piece, bolted body,	Cryogenic, Trunnion Mounted Ball Valve, 3 Piece, bolted body,	3 Piece Threaded body design	2 Piece Threaded body, O-Ring stem seal design
Sizes	1.5" - 24"	1.5" - 24"	1/2" - 3"	1" - 4"
Pressure Range	Class 150 – 2500	Class 150 – 1500	2000, 3000, 6000 WOG	750 –5000 WOG
Port	Full Port & Reduced Port	Full Port & Reduced Port	Full Port & Reduced Port	Full Port & Reduced Port
Body Materials	Forged A105N, LF2Cl1 or F316SS, F347, F51	F316SS	A105N, LF2 or F316SS	Ductile Iron, WCB or LCC
Trim Materials	Metal-to-Metal Seated	F316SS	316SS standard	316SS standard
Seat/Seal Materials	TCC or CCC / Graphite	PCTFE / PTFE-Lip Seals + Graphite	Delrin or PEEK / Graphite	Nylon / Viton or HNBR
End Configurations	Flanged, Weld ends, HUB ends	Flanged, Weld ends, HUB ends	Female NPT or Female socket weld	Female NPT
Locking Device	standard	standard	standard	standard
Actuator Pad	ISO - standard	ISO - standard	optional	optional
Optional Features	Thermal relief system, DIB-1 or DIB-2	Thermal relief system, DIB-1 or DIB-2	Oval Handle	PEEK seats
Pressure Test	API 6D, API 598	API 6D, API 598, MSS SP-134	API 598	API 598
Conformance Standards	API 607 fire safe, ASME B16.5, B16.10, B16.34, NACE compliant	API 607 fire safe, ASME B16.5, B16.10, B16.34, NACE compliant	API 607 fire safe, ASME B16.11, B16.34, NACE compliant	NACE compliant








Valve Type	ASME Code Compliant - Floating Ball Valves			
				
ISV Series	BF1BU (Stafford Production)	BF1A	BF1EU (Stafford Production)	BF7EU (Stafford Production)
Design Standards	API 608 / ASME B16.34	API 608 / ASME B16.34	API 608 / ASME B16.34 / API 6D	API 608 / ASME B16.34
Standard Design Features	2 Piece bolted body, Adjustable stem packing design	Uni-body construction, Adjustable stem packing design	3 Piece bolted body, Adjustable stem packing design	Bolted body, Cryogenic design
Sizes	1/2" - 10"	1" - 8"	1/2" - 2"	1/2" - 10"
Pressure Range	Class 150 – 600	Class 150	Class 600—1500	Class 150 – 600
Port	Full & Reduced Port	Reduced Port	Full & Reduced Port	Full & Reduced Port
Body Materials	WCB, LCC, CF8M, CN7M, Hastelloy, Duplex, A105N, LF2	WCB, LCC, CF8M, CN7M, Hastelloy, Duplex SS	A105N, LF2, F316SS, Duplex SS or Inconel	CF8M
Trim Materials	316SS standard, CN7M, Hastelloy, Duplex or Monel	316SS standard, CN7M, Hastelloy, Duplex or Monel	316SS / F51, Inconel, XM19 or 17-4ph	316SS standard
Seat/Seal Materials	TFM , RPTFE, PEEK or Graphite	TFM , RPTFE, PEEK or Graphite	RPTFE, PEEK / Viton, HNBR or Graphite	TFM, PCTFE / Graphite, PTFE
End Configurations	Flanged ends	Flanged ends	Flanged or Butt Weld ends	Female NPT, socket weld, Flanged or Butt-weld
Locking Device	standard	standard	standard	standard
Actuator Pad	ISO - standard	ISO - standard	ISO - standard	ISO - standard
Optional Features	External coatings, actuators, Oval Handle	External coatings, actuators, Oval Handle	External coatings, actuators	Actuator or Oval Handle
Pressure Test	API 598	API 598	API 598 / API 6D	API 598
Conformance Standards	API 607 fire safe, ASME B16.5, B16.10, B16.34, NACE compliant	API 607 fire safe, ASME B16.5, B16.10, B16.34, NACE compliant	API 607 fire safe, ASME B16.5, B16.10, B16.34, NACE compliant	API 607 fire safe, ASME B16.11, B16.25, B16.34, NACE compliant



Valve Type	ASME Code Compliant - Floating Ball Valves			
				
ISV Series	BF2EU (Stafford Production)	BF2E	BF2D	BF0A
Design Standards	ASME B16.34	API 608 / ASME B16.34	API 608 / ASME B16.34	ASME B16.34
Standard Design Features	3 Piece bolted body, Adjustable stem packing + O-Ring stem seal design	3 Piece bolted body, Adjustable stem packing design, In-Line Repairable	2 Piece Seal Welded body, Adjustable stem packing design	Uni-body Construction. Adjustable stem packing design
Sizes	1/2" - 2"	1/2" - 2"	1/2" - 2"	1/2" - 2"
Pressure Range	Class 150—1500	1500/2000 WOG	2160-2200 WOG	2000 WOG
Port	Full & Reduced Port	Full Port	Reduced Port	Reduced Port
Body Materials	A105N, LF2, 316SS, 316L, Duplex SS or Inconel	WCB, CF8M or CN7M	WCB or CF8M	WCB or CF8M
Trim Materials	316SS / F51, Inconel, XM19 or 17-4ph	316SS standard	316SS standard	316SS standard
Seat/Seal Materials	PEEK / Viton or HNBR	TFM / Graphite	TFM / Graphite	TFM / Graphite
End Configurations	Female NPT, F.SWE, Male NPT, M-SWE, Extended ends	Female NPT, Female socket weld or Butt-weld	Female NPT	Female NPT
Locking Device	standard	standard	standard	standard
Actuator Pad	ISO—standard	ISO - standard	standard	NA
Optional Features	External coatings, actuators	Actuator or Oval Handle	Actuator or Oval Handle	Oval Handle
Pressure Test	API 598	API 598	API 598	API 598
Conformance Standards	API 607 fire safe, ASME B16.11, B16.34, NACE compliant	API 607 fire safe, ASME B16.11, B16.25, B16.34, NACE compliant	API 607 fire safe, ASME B16.34, NACE compliant	API 607 fire safe, ASME B16.34, NACE compliant



Valve Type	Industrial Service - Floating Ball, Cast & Forged Steel Valves			
				
ISV Series	BFOC	BFOE	7 k8-) α - O † ° α - o	CAST STEEL VALVES
Design Standards	MSS SP-110	MSS SP-110	API 602	API 600, 623, 594
Standard Design Features	2 Piece Threaded body, Adjustable stem packing design	3 Piece bolted body, Adjustable stem packing design, In-Line Repairable	Forged, Bolted Bonnet, OS&Y, Die formed graphite stem packing	Cast, Bolted Bonnet, OS&Y, Die formed graphite stem packing
Sizes	1/4" - 4"	1/4" - 4"	1/4" - 2"	2" - 36"
Pressure Range	1000 WOG	1000 WOG	Class 800, 150-2500	Class 150-2500
Port	Full Port	Full Port	Full Port	Full Port
Body Materials	WCB or CF8M	WCB, CF8M, CN7M, Hastelloy or Monel	A105N, F316SS, LF2, F347SS, F11, F5, F9	WCB, LCC or CF8M
Trim Materials	316SS standard	316SS standard, CN7M, Hastelloy or Monel	API trim#5, 8, 9,11, 12, 16	API trim#5, 8, 9,11, 12, 16
Seat/Seal Materials	R-PTFE / R-PTFE	R-PTFE / R-PTFE	HF / Stainless steel - graphite gaskets	HF / Stainless steel - graphite gaskets
End Configurations	Female NPT	Female Threaded or Female socket weld or Butt-weld	Female NPT. Female socket weld or Flanged	RF Flanged or Butt-weld
Locking Device	standard	standard	optional	optional
Actuator Pad	ISO - standard	ISO - standard	optional	optional
Optional Features	Actuator or Oval Handle	Actuator or Oval Handle	Live loaded stem packing	Live loaded stem packing
Pressure Test	MSS SP-110	MSS SP-110	API 598	API 598
Conformance Standards	MSS SP-110	API 607 fire safe, MSS SP-110, ASME B16.11, B16.25	API 602, ASME B16.11, B16.25, B1.20.1, NACE compliant	API 600, ASME B16.34, ASME B16.5, ASME B16.10, NACE

