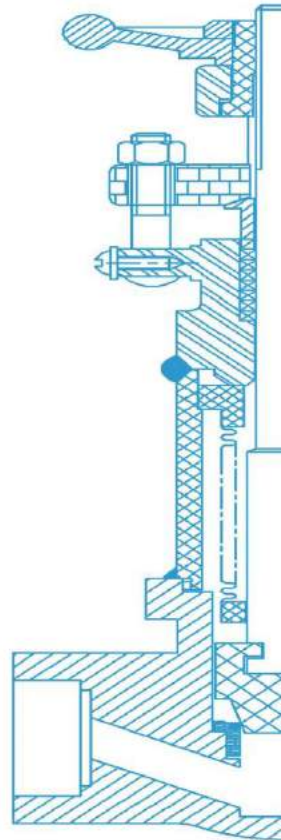
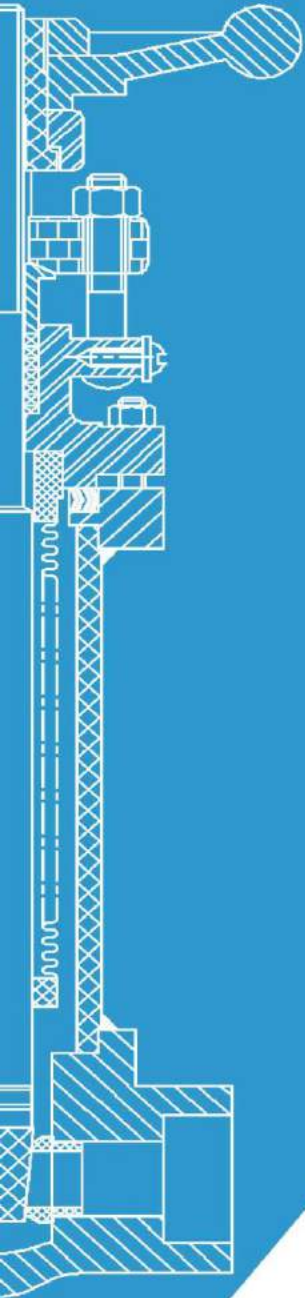


SHRIKAR VALVES

PVT LTD

Bellow Seal
Valves



About the Company

Shrikar Valves Pvt Ltd is one of the prominent manufacturers and suppliers of industrial valves, which provides solutions to diverse industries like chemical, oil, textiles and what not! Our commitment to deliver quality industrial valves has helped us make a mark in the global market.

Mr. S K Vailaya, the promoter, has a working experience of more than 30 years in various MNCs manufacturing valves. Our company is persistently transforming customers' needs into reality by using our latest technical knowhow. We are also particular on regularly upgrading our production system to adapt latest advancements in technology. Our technical engineers are rigorously engaged in developing new and innovative production techniques to meet the expectations of our clients in terms of quality, variety and cost efficiency.

With an ultramodern infrastructure, which helps in delivering qualitative range of industrial valves, our manufacturing unit is also helpful in product development and production. Our company is committed to offer new age concept-to-application solutions to our esteemed clients, with continuous upgrades in our design, prototypic, testing, quality assurance and foundry operations. Our manufacturing unit also has in-house latest equipment for manufacturing, measuring & testing in accordance to international standards. We accept any third party inspection.



Further, our motivated team believes in teamwork and works on a singular goal of providing complete satisfaction to the customers. The team comprises experienced skilled & semi- skilled workers and other departmental employees. Their expertise in efficiently handling the varied involved processes ensures achievement of perfection in production.

Shrikar Bellow Seal Valves

Stringent regulations have resulted in addition of many gases and chemicals to hazardous category. Increasing consciousness to protect the environment for the next generation has made everyone think seriously to control these toxic media which are normally let into the atmosphere through leakages. One of the major concerns is leakage through gland packing of valves. Irrespective of design and variety of gland sealing material, conventional valves leak by virtue of design.

Today, Bellow Seal is considered as the **most reliable** method to contain the media seepage into atmosphere. Conventional valve design is modified to accommodate a **metallic bellow** as primary seal with backseat and gland packing as second and third seal. This triple seal arrangement has given desired effect in reducing the leakages far below than minimum value specified. This success has given us more confidence and made us think innovatively. Even quarter turn valves are considered to have bellow seal arrangement.

SHRIKAR Bellow Seal Valves are designed and made keeping in mind the criticality of applications where leakages to atmosphere cannot be tolerated. The fluids on which valves are to be used are usually dangerous, inflammable or sublime in nature to take steps for zero leaks. A special bellow is used to seal valve internal surfaces from the atmosphere. SHRIKAR Bellow Seal Valves are made with imported German bellows, the world leaders in bellows manufacturing, with tough cycle testing methods.

These are made in cast and forged bodies in carbon steel, alloy steel or stainless steel. The bellows are of various MOCs to suit different fluids. Required raw materials are procured carefully understanding well the criticality of applications. Utmost care is taken while processing the valves at different stages so that only fine quality is dispatched to customers.

In this catalogue, we present some more details of our valves:

Bellow Seal GLOBE Valves - Forged

Bellow Seal GLOBE Valves - Cast

Bellow Seal GATE Valves - Forged

Bellow Seal GATE Valves - Cast

Other Products:

Contact us for your requirements of Bellow Seal Chlorine Application Valves, Non- Bellow Seal Globe/Gate Valves, Check Valves, Piston Valves, Ball Valves, Butterfly Valves, 'Y' Type strainers, SPW Gaskets, Cut Gaskets.

Features & Advantages

General Features of Bellow Sealed Valves

Zero emission : Environmentally - friendly Contribute to energy conservation by no leakage of vapor or heat medium. Block out leakages of general gas, bad-smelling gas, erosion gas, etc.

No maintenance

No need to replace gland packing.

Economical

Our Bellows Seal Valves are economical in total.

No leakage from gland

The Bellows blocks out leakage from gland.

Easy maintenance

No need to fully tighten the gland packing periodically, which reduces maintenance cost.

Effective for subtle leakage Prevention

The Bellows ensure 6.5×10^{-6} mm³/sec or less leakage based on the He Leak test, which is effective for subtle leakage from the gland.

Non-asbestos

Valves clears up environmental issues

Continuous fluid quality

Complete sealing of Valves shaft and gland part with the Bellows allows no contact with the fluid inside the tube and no contamination of fluid by grease etc.

Effective for energy-saving effect

No energy loss due to leakage contributes to prevention of global warming and protection of environment.

Typical Application for Bellow Sealed Valves

Acetaldehyde	Chloroethane	Heptachlor	Nitrogen
Acetamide	Chloroform	Hot Oils	Nuclear Waste
Acetic Acid	Chloroprene	Hydrocarbons	Oxygen
Acetonitrile	Chloropropane	Hydrochloric Acid	Parathion
Acrolein	Coke Oven Emissions	Hydrofluoric Acid	Phenol
Acrylic Acid	Cresol/cresylic Acid	Hydrogen	Phosgene
Acrylonitrile	Cromium Compounds	Hydrogen Bromide	Phospine
Allyl Chloride	Cryogenics	Hydrogen Cyanide	Phosphorus
Aminoazobenzene	Cumene	Hydrogen Fluoride	Phthalic Anhydride
Ammonia	Cyanide Compounds	Hydrogen Sulphide	Propional Dehyde
Aniline	Cynate	Hydroquinone	Propoxur (baygon)
Antimony Compounds	Diazomethane	Lead Compounds	Propylene Dichloride
Argon	Dichlorvos	Lindane (allisomers)	Quinoline
Arsenic Compounds	Dimethyl Carbamoyl	Maleic Anhydride	Quinone
Benzen	Dimethyl Formamide	Manganese Compounds	Silane
Benzotrichloride	Dimethyl Sulphate	Mercury Compounds	Sodium (liquid)
Benzyl Chloride	Ethane	Methanol	Sour Gas
Beryllium Compounds	Ethylacrylate	Methyl Bromide	Steam
Biphenyl	Ethyl Benzene	Methyl Chloride	Styrene
Cadmium Compounds	Ethyl Carbamate	Methyl Chloroform	Styrene Oxide
Calcium Cynamide	Ethyl Chloride	Methyl Ethyl Ketone	Sulphuric Acid
Caprolactam Carbon	Ethyl Glycol	Methyl Hydrazine	Titanium Tetrachloride
Carbaryl	Ethyl Mercaptan	Methyl Iodine	Toluene
Carbon Dioxide	Ethyl Oxide	Methyl Isobutyl	Toxaphene
Carbonyl Sulphide	Ethylidene Dichloride	Methyl Isocyanate	Uralin
Caustic Solution	Formaldehyde	Methylene Chloride	Uranium
Chlordane	Freon	Methylene Diphenyl	Hexafluoride
Chloride	Glycol Ethers	Naphthalene	Vaccum
Chlorine	Heavy Water	Nickel Compounds	Vinyl Bromide
Chlorobenzene	Helium	Nitric Acid	Vinyl Chloride
Chlorobenzilate		Nitrobenzene	Xylene

Bellow Sealed Forged Globe Valve

Bellow Sealed Globe Valve - Forged

Design and manufacture: API 600

Inspection & Test: API 598

Face-to-Face: Manufacturers Std

End Connection: SW ends to ASME B16.11

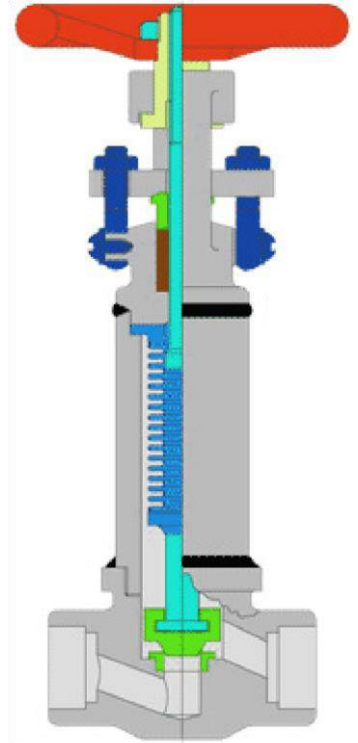
Size & Pressure: 1/2"~2", 800#, 1500#

Materials of main parts: Forged Steel/Stainless steel

Bellow material: AISI316Ti, INCONEL, HAST C-276

Design Features

- Fully welded Valve body/bonnet and bellows
- Rising stem, non rising hand wheel ensure linear movement of stem
- Full size safety gland packing made of pure graphite/PTFE
- Metal back seat acts also as stroke limiter in open position
- Multiple wall, fully flushed stainless steel
- IMPORTED bellows, designed for 10,000 cycles; fully welded
- Solid wedge made of hard chromium steel AISI 410 or reinforced with stellite 6
- Press Fitted Body Seat in AISI410 or hard faced with stellite 6 or 21



Accessories

Hand Wheel Locking Arrangement • Extended Stem Design, cryogenic service valves
Pneumatic/Electric Actuators

Optional

Standard Port Design up to 40NB

Stellited Seat & Wedge

Screwed Ends (BSP / NPT)

Butt Weld Ends to ANSI B16.25

Bolted Bonnet design

Flanged ends (welded) to 150/300/600#

Material of Construction

Material of Construction	
Body/Bonnet	A105, LF2, F304, F316
Wedge / Seat Ring	AISI410, 304, 316
Spindle	AISI410, 316, 304
Bellows	AISI316Ti, Hast-C, Inconel
Gland	AISI410, 316, 304
Gland Packing	PTFE, Grafoil

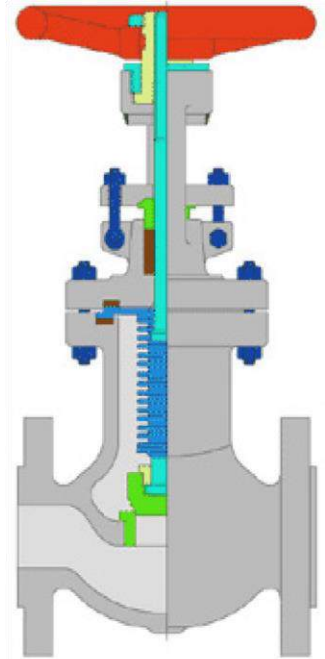
Note

For custom valves as per your specifications, kindly contact us.

Bellow Seal Cast Globe Valve

Bellow Sealed Globe Valve – Cast

Design and manufacture: BS 1873
 Inspection & Test: API 598
 Face-to-Face: ANSI B 16.10
 End Connection: Flanged ends to ANSI B16.5
 Size & Pressure: 1"~12", 150#, 300#, 600#
 Materials of main parts: Cast Steel/Stainless steel
 Bellows material: AISI316Ti, INCONEL, HAST C-276



Design Features

- Bolted Body/Bonnet Joint
- Rising stem with anti rotating device, non rising hand wheel ensure linear movement of stem
- Full size safety gland packing made of pure graphite/PTFE
- Metal back seat acts also as stroke limiter in open position
- Multiple wall, fully flushed stainless steel IMPORTED bellows, secured against torsion, designed for 10,000 cycles; fully welded
- Swivel Conical shaped plug or flat disc made of hard chromium steel AISI 410 or reinforced with stellite 6
- Renewable or Welded Body Seat in AISI410/CA15 or hard faced with stellite 6 or 21
- Spiral Wound Gasket SS304 + pure graphite, mounted in tongue and grooved bonnet flanges

Accessories

Hand Wheel Locking Arrangement • Extended Stem Design, cryogenic service valves
 Pneumatic/Electric Actuators

Optional

Stellited Seat & Plug
 Optional flanged ends T & G, RTJ
 Butt Weld Ends to ANSI B16.25
 Soft Seat Or Regulating / Parabolic Disc
 Full welded design

Material of Construction	
Body / Bonnet	WCB, LCB, CF8, CF8M
Disc / Plug / Seat Ring	AISI410, 304, 316
Spindle	AISI410, 316, 304
Bellows	AISI316Ti, Hast-C, Inconel
Gland	AISI410, 316, 304
Gland Packing	PTFE, Grafoil

Note

For custom valves as per your specifications, kindly contact us.

Bellow Sealed Forged Gate Valve

Bellow Sealed Gate Valve - Forged

Design and manufacture: API 600

Inspection & Test: API 598

Face-to-Face: Manufacturers' Std

End Connection: SW ends to ASME B16.11

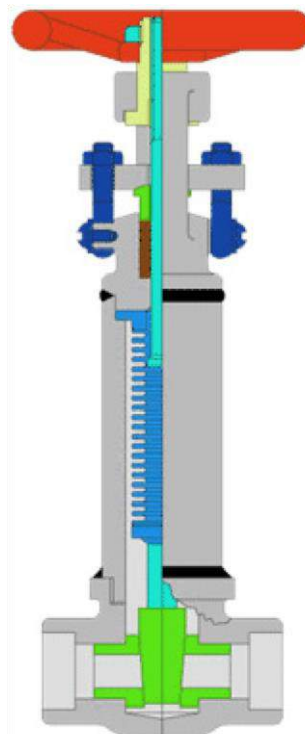
Size & Pressure: 1/2"~2", 800#, 1500#

Materials of main parts: Forged Steel/Stainless steel

Bellow material: AISI316Ti, INCONEL, HAST C-276

Design Features

- Fully welded Valve body/bonnet and bellows
- Rising stem, non rising hand wheel ensure linear movement of stem
- Full size safety gland packing made of pure graphite/PTFE
- Metal back seat acts also as stroke limiter in open position
- Multiple wall, fully flushed stainless steel IMPORTED bellows, designed for 10,000 cycles; fully welded
- Solid wedge made of hard chromium steel AISI 410 or reinforced with stellite 6
- Press Fitted Body Seat in AISI410 or hard faced with stellite 6 or 21



Accessories

Hand Wheel Locking Arrangement • Extended Stem Design, cryogenic service valves
Pneumatic/Electric Actuators

Optional

Standard Port Design up to 40NB

Stellited Seat & Wedge

Screwed Ends (BSP / NPT)

Butt Weld Ends to ANSI B16.25

Bolted Bonnet design

Flanged ends (welded) to 150/300/600#

Material of Construction

Body / Bonnet	A105, LF2, F304, F316
Wedge / Seat Ring	AISI410, 304, 316
Spindle	AISI410, 316, 304
Bellows	AISI316Ti, Hast-C, Inconel
Gland	AISI410, 316, 304
Gland Packing	PTFE, Grafoil

Note

For custom valves as per your specifications, kindly contact us.

Bellow Sealed Cast Gate Valve –Welded Bonnet (FE)

Bellow Sealed Gate Valve - Cast

Design and manufacture: API600

Inspection & Test: API 598

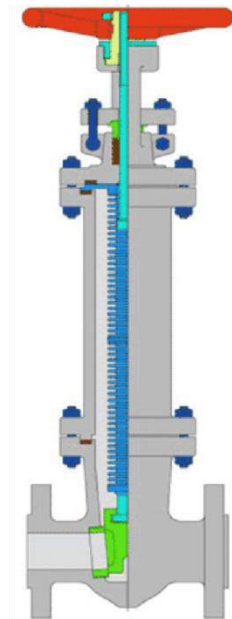
Face-to-Face: ANSI B 16.10

End Connection: Flanged ends to ANSI B16.5

Size & Pressure: 1"~12", 150#, 300#, 600#

Materials of main parts: Cast Steel/Stainless steel

Bellow material: AISI316Ti, INCONEL, HAST C-276



Design Features

- Bolted Body/Bonnet Joint
- Rising stem, non rising hand wheel ensure linear movement of stem
- Full size safety gland packing made of pure graphite/PTFE
- Metal back seat acts also as stroke limiter in open position
- Multiple wall, fully flushed stainless steel IMPORTED bellows, designed for 5,000 cycles; fully welded
- Flexible wedge made of hard chromium steel AISI 410/CA15 or reinforced with stellite 6
- Renewable or Welded Body Seat in AISI410/CA15 or hard faced with stellite 6 or 21
- Spiral Wound Gasket SS304 + pure graphite, mounted in tongue and grooved bonnet flanges

Accessories

Hand Wheel Locking Arrangement

Extended Stem Design, cryogenic service valves

Pneumatic/Electric Actuators

Optional

Stellited Seat & Plug

Flanged ends T & G, RTJ

Butt weld ends to ANSI B16.25

Fully welded bonnet design

Note

For custom valves as per your specifications, kindly contact us.

Material of Construction	
Body / Bonnet	WCB, LCB, CF8, CF8M
Disc / Plug / Seat Ring	AISI410, 304, 316
Spindle	AISI410, 316, 304
Bellows	AISI316Ti, Hast-C, Inconel
Gland	AISI410, 316, 304
Gland Packing	PTFE, Grafoil



Our Valued Customers



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Growth Is Our Way



Our Valued Customers





Our Other Products

Piston Valves
Globe Valves - Forged and Cast
Gate Valves - Forged and Cast
Strainers
Ball Valves
Butterfly Valves
NRV

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