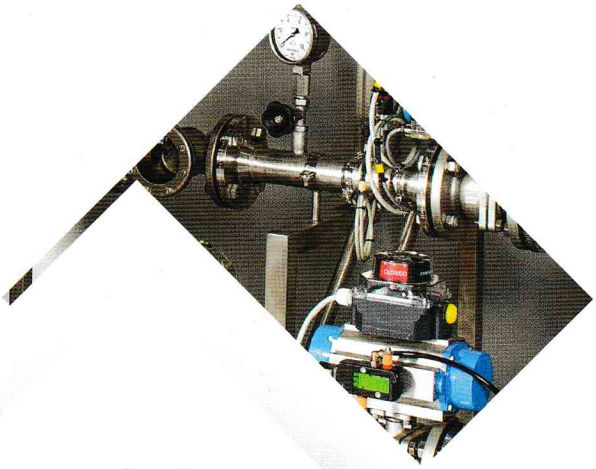
KANSEI
Valves and Automations

MAKE IN INDIA



Committed
for
High Quality and High Performance
to
Empower Customer Success

Growing with Customer

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MANUFACTURER, EXPORTER AND SERVICE PROVIDER OF VALVES AND VALVE PRODUCTS

Industrial & Automation Valves:

- Ball valves (Metal to Metal / Fire safe / High and Low Pressure / Soft seated)
- Gate valves, Globe Valves
- Wafer and Lug Type Butterfly Valves Resilient seated
- Wafer and Lug Type Double Offset High-Performance Bufferfly valves
- Metal seated Ball valves
- Double Flanged Bi-Directional butterfly valves
- Y type Strainers, Pot-Basket Strainers

Operation: Manual, Electric, Pneumatic, On-Off / Control

Valve Servicing & Spares:

- Onsite - Offsite repairing of valves and its products
- Valve servicing and repairing with welding/coating/rubber lining/painting etc.
- Onsite and offsite Safety valve repairing, testing and calibration services
- Annual maintenance contracts
- Annual rate contracts
- Correction, Prevention, reverse engineering services
- Supply of Spares for each product

Product Quality:

Our Products are designed and manufactured as per recognized standards of Industry.

After Sales Service:

We are committed to our customers globally to provide access to quality service and supports in terms of online guidance, technical guidance, spare availability and expert visit on site. We always deal with our customers as a "Business Partner" to grow together.

Warranty Support:

Our standard warranty on all products is 12 months from the date of dispatch.

Spare Support:

We keep 100% track records in our process of all products to ensure spare support to our customer within shortest possible delivery time.

INDUSTRIES WE CAN SERVE:

- **Oil and Gas**
- **Power Plants, HVAC**
- **Chemical / Petrochemical / Fertilizer Plant**
- **Ship Building**
- **Infra, Military**
- **Pharmaceuticals**
- **Food and Beverages**
- **Flow control**
- **Nuclear and Thermal**
- **Mining**
- **Water Treatment & Supply, Cooling tower**
- **Dead-end Service, etc.**

Director's Message

We started ***KANSEI VALVES AND AUTOMATIONS LLP.*** as a ***CUSTOMER ORIENTED COMPANY*** by putting our advance technical strength and long experiences in Valves and other industry. We have always striven to provide the products and systems to customers as per need in experience and we are bound to continue the same for 100% customer satisfaction with **Absolute Integrity, Safety, Quality, Delivery, Cost and Service.** We are actively engaged to expand ourselves with sales and service systems to meet extensive customer expectations.

We aim to serve our customers with a quality assured range of products at competitive prices and within time. We make sure to test the quality of the entire range before delivering products to customer end. To fulfil this aim, we are backed by a team of competent professionals who make sure to exercise supreme quality materials while manufacturing our range of products.

Our Vision

We want to become a globally preferred manufacturer & exporter of valves and valve products in all types with deeply focus on Integrity, Safety, Quality, Cost, Delivery and Service.

Our Mission

Provide High Quality, Quick Delivery, High Performance and Excellence Service to our customers. Use our knowledge and skill to deliver industry best product with full dedication and spirit. Aim to develop and improve products and services by translating the customer's requirements and needs into the domain of Product, Design and Process. Aim to assure after sales assistance within time to all customers through well experienced skills.

5 Core Values

- Customer First
- Integrity, Safety, Quality, Cost, Delivery and Service (ISQCDS)
- Accountability, Innovation, Performance and Team work
- Society and Environment
- Employee talent and performance

Our Promise and Commitments

- We promise to meet customer requirements by using our collective wide network, resources and experiences.
- We promise to deliver best products and services to customers with full integrity and dedication.
- We promise to educate our suppliers and employees to ensure customer required quality.

Our Quality Policy

- Maintain a high standard of quality and consistency as per customer requirements.
- Complying with codes, standards, customer specifications, statutory and regulatory requirements as applicable to our products.
- Continually improving the effectiveness of quality systems to add value to our products.

BALL VALVE – Fire safe-Antistatic, ASME / ANSI Class 150 and 300, Reduced bore for the Chemical and Petroleum Industries – K1/K2

Features and Benefits:

- Designed to ASME / ANSI B16.34, ISO 17292, BS 5351. F to F ASME B16.10
- ISO 5211 top mounting flange.
- Flange connection to ASME B16.5 as standard.
- One-piece body offers total pipe integrity minimizing the number of potential leak paths.
- Carbon steel or Stainless-steel body as standard.
- Precision Stainless steel 316 ball as standard.
- Blow-out proof shouldered stem, Anti-static device, secondary metal "Fire safe' seat.
- Cantilevered block seat as standard.
- Double block and bleed capability.
- Integral padlocking facility as standard.
- Spring energized stem assembly to compensate wear and temperature changes
- Vented ball equalizes body cavity pressure in open position and prevents possible damage to seat.

General Applications:

- **Ideally suitable for use in the oil and gas production, refining and chemical applications.**
- **Body material and wetted trim components confirms to NACE Standard MR0175 - 2002.**
- **Hazardous areas like flammable fuels, gases or chemicals where "Fire-safe" or "Anti-static" valves are mandatory or desirable.**

Technical Data:

- **SIZE Range: DN 50 – 200**
  Wrench operated with locking device
- **K1: Fire-safe, anti-static, 150#, reduced bore, floating ball**
- **K2: Fire-safe, anti-static, 300#, reduced bore, floating ball**
- **Pressure rating : ASME Class 150 to 300**
- **Temperature rating : Upto 260 deg. C**
- **End Connections : Flanged ASME B16.5**

Product	Body Material	End Conn.	Seat	Trim	Body Seal
K1	Carbon Steel	Flanged ASME	PTFE	316 S/S	PTFE
K1	Stainless Steel 316	Flanged ASME	PTFE	316 S/S	PTFE
K2	Carbon Steel	Flanged ASME	Carbon R' PTFE	316 S/S	PTFE
K2	Stainless Steel 316	Flanged ASME	Carbon R' PTFE	316 S/S	PTFE

- Other trims also available as per customer requirement.
- Certificate of compliance to EN10204 Type 3.1 as standard.

BALL VALVE – Fire safe-Antistatic, ASME / ANSI Class 150 and 300, Full bore, for the Chemical and Petroleum Industries – K3/K4

Features and Benefits:

- Designed to ASME / ANSI B16.34, ISO 17292, BS 5351. F to F ASME B16.10
- Two Piece bolted body design complies with ASME B16.34 & ASME VIII.
- ISO 5211 top mounting flange.
- Flange connection to ASME B16.5 as standard.
- Carbon steel or Stainless-steel body as standard.
- Precision Stainless steel 316 ball as standard.
- Blow-out proof shouldered stem, Anti-static device, secondary metal "Fire safe' seat.
- Cantilevered block seat as standard.
- Double block and bleed capability for sizes DN 50 – 200, External replaceable whether seal.
- Integral padlocking facility as standard.
- Vented ball equalizes body cavity pressure in open position and prevents possible damage to seat.
- Spring energized stem assembly to compensate for wear and temperature changes. All valves hydro / air tested at factory.

General Applications:

- **Ideally suitable for use in the oil and gas production, refining and chemical applications.**
- **Body material and wetted trim components confirms to NACE Standard MR0175 - 2002.**
- **Hazardous areas like flammable fuels, gases or chemicals where "Fire-safe" or "Anti-static" valves are mandatory or desirable.**

Technical Data:

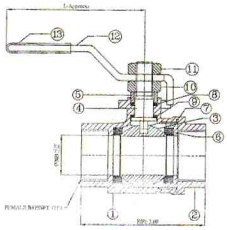
- **SIZE Range: One Piece body design for DN 15-40**
  Two Piece body design for DN 50-200
  Full bore with Wrench operated
- **K3: Fire-safe, anti- static, 150#, full bore, floating ball**
- **K4: Fire-safe, anti- static, 300#, full bore, floating ball**
- **Pressure rating : ASME Class 150 to 300**
- **Temperature rating : Upto 260 deg. C**
- **End Connections : Flanged ASME B16.5**

Product	Body Material	End Conn.	Seat	Trim	Body Seal
K3	Carbon Steel	Flanged ASME	PTFE	316 S/S	Flexible Graphite
K3	Stainless Steel 316	Flanged ASME	PTFE	316 S/S	Flexible Graphite
K4	Carbon Steel	Flanged ASME	Carbon R' PTFE	316 S/S	Flexible Graphite
K4	Stainless Steel 316	Flanged ASME	Carbon R' PTFE	316 S/S	Flexible Graphite

- Other trims also available as per customer requirement.
- Certificate of compliance to EN10204 Type 3.1 as standard.

BALL VALVE – One Piece Design Screw end – K5

Figure K5 Product is designed to accommodate requirement of One-piece screwed end ball valve as per Design standard ISO 17292 & BS 5351. Testing standard as per API 598 or ISO 5208. Screwed end with BSP or NPT threads. Size range from ½" to 2".



Design Std.	As per ISO 17292 & BS 5351
End Connection	Screwed End
Testing Std.	As per API 598 or ISO 5208
Size 150#	15 mm to 50 mm (1/2" to 2")

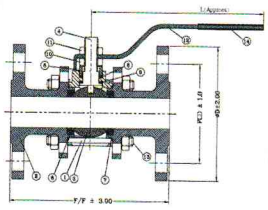
DIMENSIONS 150#			
Size	NB	F/F	Thread Type
15	12.5	58.5	BSP / NPT
20	19.0	68.5	BSP / NPT
25	25.0	76.5	BSP / NPT
32	32.0	90.0	BSP / NPT
40	38.0	100.0	BSP / NPT
50	50.0	118.0	BSP / NPT

➢ **All dimensions are in mm.**

BILL OF MATERIALS		
Sr. No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Cap	WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Lever	MS / SS
13	Lever Sleeve	PVC
14	End Cap	PVC

BALL VALVE – Three Piece Design Flange end – K6

Figure K6 Product is designed to accommodate requirement of Three Piece Flange end ball valve as per Design standard ISO 17292 & BS 5351. Testing standard as per API 598 or ISO 5208. Size range from ½" to 12", 150 # and 300 #.



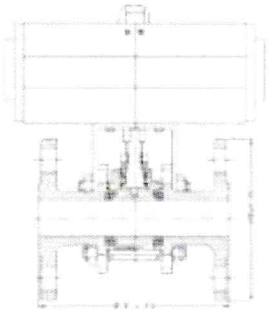
Design Std.	As per ISO 17292 & BS 5351
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to 300 mm (1/2" to 12")

DIMENSIONS						
	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
80	190	152.5	203	210	168.5	283
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419
250	405	362	330	445	387.5	457
300	485	432	356	520	451	502

➢ **All dimensions are in mm.**

BILL OF MATERIALS		
Sr. No.	Description	Material
1	Body	CI / WCB / CF8 / CF8M
2	Cap	CI / WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Lever	MS / SS
13	Stud & Nut	MS / SS304
14	Lever Sleeve	PVC
15	End Cap	PVC

BALL VALVE – Three Piece Design Flange end – K6 with Actuator



Design Std.	As per ISO 17292 & BS 5351
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to 300 mm (1/2" to 12")

DIMENSIONS

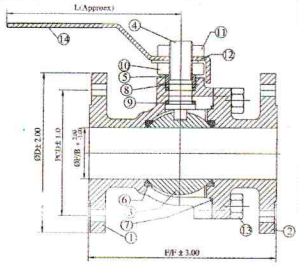
	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
80	190	152.5	203	210	168.5	283
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419
250	405	362	330	445	387.5	457
300	485	432	356	520	451	502

➤ **All dimensions are in mm.**

BILL OF MATERIALS

Sr. No.	Description	Material
1	Body	CI / WCB / CF8 / CF8M
2	Cap	CI / WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Bracket	MS / SS
12	Actuator	Single / Double Acting
13	Stud & Nut	MS / SS304

BALL VALVE – Two Piece Design Flange end – K7



Design Std.	As per ISO 17292 & BS 5351
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to 300 mm (1/2" to 12")

DIMENSIONS

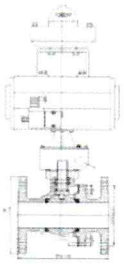
	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
80	190	152.5	203	210	168.5	283
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419
250	405	362	330	445	387.5	457
300	485	432	356	520	451	502

➤ **All dimensions are in mm.**

BILL OF MATERIALS

Sr. No.	Description	Material
1	Body	CI / WCB / CF8 / CF8M
2	Adaptor	CI / WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Lever	MS / SS
13	Stud / Bolts	MS / SS304
14	Lever Sleeve	PVC
15	End Cap	PVC

BALL VALVE – Two Piece Design Flange end – K7 with Pneumatic Operation



Design Std.	As per ISO 17292 & BS 5351
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to 300 mm (1/2" to 12")

DIMENSIONS

	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
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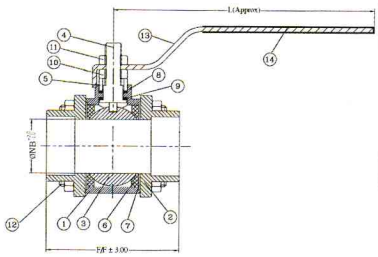
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419
250	405	362	330	445	387.5	457
300	485	432	356	520	451	502

BILL OF MATERIALS

Sr. No.	Description	Material
1	Body	CI / WCB / CF8 / CF8M
2	Adaptor	CI / WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Lever	MS / SS
13	Stud / Bolts	MS / SS304
14	Lever Sleeve	PVC
15	End Cap	PVC

➢ **All dimensions are in mm.**

BALL VALVE – Three Piece Design Scr / Scw end – K8



Design Std.	As per ISO 17292 & BS 5351
End Connection	Screwed End
Testing Std.	As per API 598 or ISO 5208
Size 150#	15 mm to 50 mm (1/2" to 2")

DIMENSIONS 150#

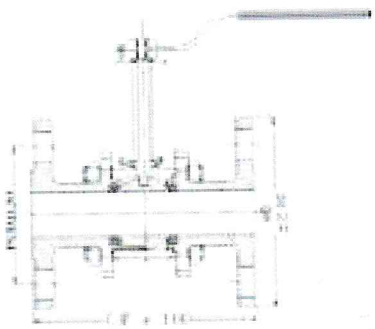
Size	NB	F/F	Thread Type
15	12.5	62.5	BSP / NPT / SW
20	19.0	74.0	BSP / NPT / SW
25	25.0	87.0	BSP / NPT / SW
40	38.0	109.0	BSP / NPT / SW
50	50.0	118.0	BSP / NPT / SW

➢ **All dimensions are in mm.**

BILL OF MATERIALS

Sr. No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Cap	WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Stud & Nut	MS / SS304
13	Lever	MS / SS
14	Lever Sleeve	PVC
15	End Cap	PVC

BALL VALVE – Flange End with Extended Stem – K9



Design Std.	As per ISO 17292 & BS 5351
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to 300 mm (1/2" to 12")

DIMENSIONS

	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
80	190	152.5	203	210	168.5	283
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419

➢ All dimensions are in mm.

BILL OF MATERIALS

Sr. No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Cap	WCB / CF8 / CF8M
3	Ball	CF8 / CF8M
4	Stem	SS304 / SS316
5	Gland	SS304 / SS316
6	Seat Ring	PTFE / GFT / CFT
7	Body Seal	PTFE / GFT / CFT
8	Gland Packing	PTFE / GFT / CFT
9	Stem Seal	PTFE / GFT / CFT
10	Gland Nut	MS / SS304
11	Lever Nut	MS / SS304
12	Lever	MS / SS
13	Stud & Nut	MS / SS304
14	Lever Sleeve	PVC
15	End Cap	PVC

General Notes For All Products

- Customization and automation as per customer requirements
- Certificate of compliance to EN10204 Type 3.1 as standard
- Safety stock as per customer requirements
- 100% factory tested and inspected valves as per standard
- Other trims also available as per customer requirements
- Support to customer for other product requirements from sources

BUTTERFLY VALVE WAFER TYPE - K31
ASME/ANSI Class 150, PN10, JIS 5K/10K, KS 5K/10K

Figure K31 product is designed with few moving parts to provide a long service life with minimum maintenance. Light weight and available in Wafer style, it is an ideal economic solution for general purposeapplications

General Purpose wafer valve
Standard Trims: Body / Disc / Shaft / Seat
Cast and Ductile Iron, Cast Steel, Stainless Steel /
Ductile Iron, Bronze, Cast Steel, Stainless Steel /
SS410, SS304, SS316 / EPDM, Buna N, Viton.

Other trims also available as per customer requirement.
Std. Flanging: ANSI/ASME 150#, PN10, BS10 Tab.E

Features and Benefits:

- Factory testing of each valve at full rating pressure ensures 100% tight shut-off.
- Actuator flange is standardized for easy operator interchangeability and direct mounting of various range of Actuators.
- Primary seal is formed by preloaded contact between disc and seat. These seats protect Valve from fluid contact.
- Secondary stem seal is suitable for pressure and vacuum service and it is self-adjusting.
- Seat design required no bonding. Makes seat replacement simple, easy and fast. Extra heavy edge provided section resists tearing.
- The disc hub edge is rounded and hand polished to provide full concentric seating without seat obstruction to flow & ensure maximum seat life.
- Replaceable seat isolates the stem & body parts from the stream and serves as the flange gasket.
- O-ring provides positive flange sealing and eliminates the need for additional gaskets.
- Provided disc screws allows quick and easy disassembly.
- Disc screw connection is positive, shake proof and stronger than stem.
- Variations with Buna-N, EPDM and Viton seats and other material combinations as per requirements.
- Certificate of compliance to EN10204 Type 3.1 as standard.

General Applications

The single piece through shaft design is a reliable solution for difficult conditions in the following applications:

HVAC , Water Works, Pump Outlet, Ship Building, Chemical Industry, Ship Side Power Plants, Drain Tank.

Technical Data

Pressure: 10kg/cm2 (150 psi), Size: 2" to 20"
Temperature: -40 deg. C to 120 deg. C with EPDM seat
-18 deg. C to 100 deg. C with BUNA-N seat
Suitable to: ANSI 150 #, JIS 5K/10K, KS 5K/10K
Customization as per customer need

Operator: Handle, Gear, Pneumatic,
Gear & Pneumatic / Electric

BUTTERFLY VALVE LUG TYPE - K32
ASME/ANSI Class 150, PN10, JIS 5K/10K, KS 5K/10K

Figure K32 product is designed with few moving parts to provide a long service life with minimum maintenance. Light weight and available in lug style, it is an ideal economic solution for general purpose applications.

General Purpose Lug valve

Standard Trims: Body / Disc / Shaft / Seat

Cast and Ductile Iron, Cast Steel, Stainless Steel / Ductile Iron, Bronze, Cast Steel, Stainless Steel / SS410, SS304, SS316 / EPDM, Buna N, Viton.

Other trims also available as per customer need e.g. duplex/super duplex/alloy steel etc.

Std. Flanging: ANSI/ASME 150#, PN10, BS10 Tab.E

Features and Benefits:

- Factory testing of each valve at full rating pressure ensures 100% tight shut-off.
- Actuator flange is standardized for easy operator interchangeability and direct mounting of various range of Actuators.
- Primary seal is formed by preloaded contact between disc and seat. These seats protect Valve from fluid contact.
- Secondary stem seal is suitable for pressure and vacuum service and it is self-adjusting.
- Seat design required no bonding. Makes seat replacement simple, easy and fast. Extra heavy edge provided section resists tearing.
- The disc hub edge is rounded and hand polished to provide full concentric seating without seat obstruction to flow & ensure maximum seat life.
- Replaceable seat isolates the stem & body parts from the stream and serves as the flange gasket.
- O-ring provides positive flange sealing and eliminates the need for additional gaskets.
- Provided disc screws allows quick and easy disassembly.
- Disc screw connection is positive, shake proof and stronger than stem.
- Variations with Buna-N, EPDM and Viton seats and other material combinations as per requirements.
- Certificate of compliance to EN10204 Type 3.1 as standard.

General Applications

The single piece through shaft design is a reliable solution for difficult conditions in the following applications:

HVAC, Water Works, Pump Outlet, Ship Building, Chemical Industry, Ship Side Power Plants, Drain Tank.

Technical Data

Pressure: 10kg/cm2 (150 psi), Size: 2" to 20"
Temperature: -40 deg. C to 120 deg. C with EPDM seat
Temperature:-18 deg. C to 100 deg. C with BUNA-N seatSuitable to: ANSI 150 #, JIS 5K/10K, KS 5K/10K, PN10/16
Customization as per customer need

Operator: Handle, Gear, Pneumatic, Gear & Pneumatic / Electric

DOUBLE OFFSET BUTTERFLY VALVE, HIGH PERFORMANCE - K35/K36/K37/K38

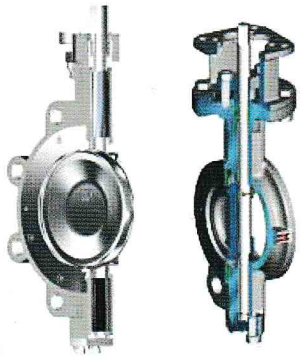
WAFER/LUG TYPE ANSI CLASS 150 and 300, SIZE 2 inch to 36 inches

Figure K35/36/37/38 product is high performance valve with double offset application to make flow control easier.

K35/36/37/38 product is high performance valve with double offset application to make flow control easier.

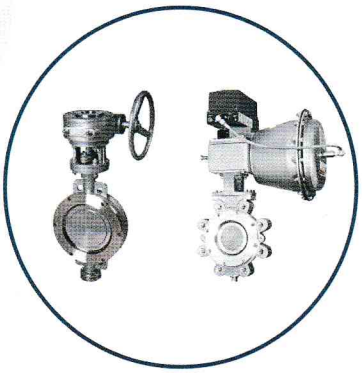
Double Offset Disc /Stem:

- Unique two-piece stem and double-offset design allows for high cycling and creates a lower disc profile with increased capacity and a rangeability of 33:1.
- In addition to increasing flow area across the disc, design minimizes wear points between seat-disc.
- The first offset is achieved by locating the streams downstream of the center-line of the seat which allows 360 deg. Sealing surface.
- The second offset is achieved by off-center of the vertical axis of the seat.
- The combination of these two offsets creates a camming effect as the disc swings into and out of seat. No wear points between disc and seat.



Features and Benefits:

- Extended neck allows two inches of pipeline insulation.
- Integrally casted mounting flange provides direct mounting of many actuators.
- Disc taper pin are designed to position half in disc and half in stem to eliminate potential failure by placing compression instead of shear.
- Integrally casted disc stopper in body perfectly locates the disc in seat to achieve maximum life of seat and other relevant parts.
- Bore with stem bearing provides max. stem support.
- Gland bridge components for uneven adjustment of gland nuts.
- To make flange face uninterrupted, retainer ring is provided with spiral wound gaskets which provides unidirectional dead-end service as standard.
- Seats are providing bi-directional, drop tight closure in vacuum and throughout all pressure ranges as well full rated differential pressure.
- Variety of material allows optimum seat life in all applications.



Two-Piece stem vs One-Piece stem

Disc geometry maximizes flow capacity by increasing the available flow area through the valve. This increase in disc efficiency results in a higher valve Cv.

Suitable Standards and Specifications

ANSI B16.34 / B31.1 / B31.3 / B16.5
API 598 / BS 5146 / BS 4504 / DIN 3230 / JIS 2215
ISO 5752 / ISO 2084
MSS SP 6 / SP 25 / SP 55 / SP 61 / SP 67 / SP 68

Applications and Special services:

The single piece through shaft design is a reliable solution for difficult conditions in the following applications:

Sour gas , Food processing , Military, Pharma, Vacuum and Oxygen, Steam, On/off Control, Dead-end service, Chlorine, Ammonia, Reverse osmosis, Slurry, Modulating, "M" type fluids, Flow control

Product details

K35 : ANSI Class 150, Wafer type
K36 : ANSI Class 150, Lug type
K37 : ANSI Class 300, Wafer type
K38 : ANSI Class 300, Lug type

Common Standard Trims

General Purpose				
Body	**Disc**	**Shaft**	**Seat**	**Packing**
Cast Steel	Stainless Steel	17-4 PH SS	RTFE	PTFE
Stainless Steel	Stainless Steel	17-4 PH SS	RTFE	PTFE
Cast Steel	Stainless Steel / ENP	17-4 PH SS	UHMWPE / Polyester	PTFE
Stainless Steel	Stainless Steel / ENP	17-4 PH SS	UHMWPE / Polyester	PTFE
Metal Seated High temperature Purpose				
Cast Steel	Stainless Steel / ENP	17-4 PH SS	RTFE / SS / Chrome plated	PTFE
Stainless Steel	Stainless Steel / ENP	17-4 PH SS	RTFE / SS / Chrome plated	Graphite
Corrosion Resistant Trims				
Cast Steel	Stainless Steel	SS 316 - Cond. B/ Nitronic 50	RTFE / Polyester	PTFE
Stainless Steel	Stainless Steel / ENP	SS 316 - Cond. B/ Nitronic 50	SS 316 Chrome plated	PTFE
Fire Safe Trims				
Cast Steel	Stainless Steel / ENP	17-4 PH SS	SS 316 Chrome Plated & RTFE	Graphite
Stainless Steel	Stainless Steel / ENP	17-4 PH SS	SS 316 Chrome Plated & RTFE	Graphite

Cv values and Travel Position

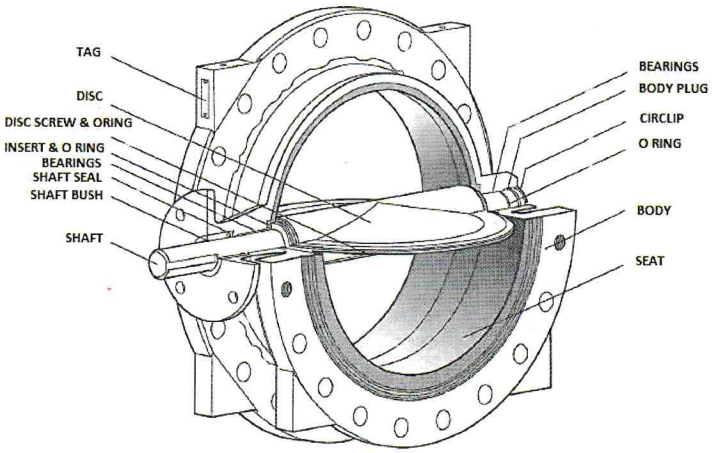
Cv Values vs. Travel Position										
SIZE In mm	Angle of Opening - Deg.								CL 150	CL 300
	10	20	30	40	50	60	70	80	90	90
50	6	10	19	34	51	78	105	134	163	160
65	6	10	19	34	53	80	111	148	175	170
80	8	12	24	43	67	100	139	186	220	215
100	16	23	44	80	130	194	269	360	425	413
125	30	44	83	149	242	366	504	673	795	785
150	50	70	130	230	370	550	760	1,010	1,195	1,140
200	83	117	251	437	695	1,052	1,496	2,001	2,440	2,300
250	144	202	454	754	1,185	1,821	2,611	3,541	4,540	4,333
300	208	304	678	1,051	1,625	2,766	3,838	5,325	6,915	6,600
350	257	360	747	1,186	1,909	3,121	4,416	6,225	8,300	7,920
400	308	432	803	1,422	2,289	3,614	5,251	7,530	10,040	9,580
450	373	548	1,121	1,869	2,990	4,735	6,728	9,845	12,460	11,890
500	463	680	1,390	2,315	4,010	6,175	8,795	12,655	15,430	14,720
600	650	991	2,076	3,803	6,060	9,091	13,301	18,466	21,660	20,665
750	1,015	1,550	3,240	4,670	9,460	14,200	21,400	29,800	36,000	35,500
900	1,460	2,300	4,640	5,950	13,700	21,000	30,400	44,000	56,000	55,500

Operator: Handle, Gear, Pneumatic, Gear & Pneumatic / Electric

BUTTERFLY VALVE DOUBLE FLANGED Resilient seated Bi-directional - K39

ASME/ANSI Class 150, PN10/16, ANSI B16.1, BS 4504, JIS B2210, DIN 2501

Figure K39 product is designed to accommodate requirements of Double flanged bi-directional valve with replaceable, bed grooved seat.



Double Flanged Butterfly valve

Standard Trims: Body / Disc / Shaft / Seat

Cast and Ductile Iron, Cast Steel, Stainless Steel / Ductile Iron, Bronze, Cast Steel, Stainless Steel / SS410, SS304, SS316 / EPDM, Buna N.

Other trims also available as per customer need e.g. duplex/super duplex/alloy steel etc.

Std. Flanging: ANSI / ASME B16.1, BS 4504, JIS B2210 and DIN 2501.

Features and Benefits:

- Factory testing of each valve at full rating pressure ensures 100% bubble tight shut-off.
- Actuator flange is standardized for easy operator interchangeability and direct mounting of various range of Actuators.
- Face to Face dimension in accordance with BS 5155 Suitable for temperatures upto 80 deg. C with natural rubber and 120 deg. C with EPDM.
- Upper and lower inboard shaft bearings prevent shaft deflection and provide optimum guidance to prolong valve life.
- Uses the proven seal on body design.
- Suitable for on/off or control service.
- Primary stem sealing by pre-loaded contact between flattened seat surface and rounded polished disc hub completely isolates the shaft and body from the flow stream.
- The field replaceable seat has integrally molded O-ring, providing flange sealing and eliminating the need for gaskets.
- The entire wetted area of the valve is rubber lined, extending over the flanges, providing superior corrosion protection.
- Certificate of compliance to EN10204 Type 3.1 as standard.

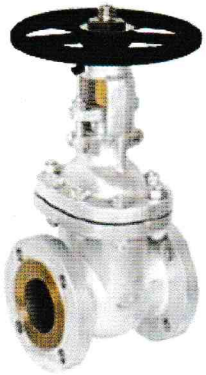
ITEM	PN 10	PN 16
Body	CI/DI/WCB	WCB/DI
Disc	WCB/DI	WCB/DI
	AL. Bronze	AL. Bronze
	CF8M	CF8M
Shaft	SS 316/17-4PH/SS 410	SS 316/17-4PH/SS 410
Seat	EPDM / Buna - N	EPDM / Buna - N
Seat Insert	S/S 316	S/S 316
Insert O -ring	Buna - N	Buna - N
Tag	S/S	S/S
Disc Screw	S/S 316	S/S 316
Screw O-ring	Buna - N	Buna - N
Shaft Bush	Acetal	Acetal
Shaft Seal	Buna - N	Buna - N
Bearings	RTFE	RTFE
O-ring	Buna - N	Buna - N
Body Plug	S/S 431	S/S 431
Circlip	Spring Steel	Spring Steel

Technical Data

Pressure: up to 1600 kPa (PN16) Size: 4" to 30"
Temperature: upto 80 deg. C with Natural rubber
Upto 120 deg. C with EPDM
Suitable to: ANSI B16.1, BS 4504, JIS B2210, DIN 2501
Customization as per customer need

Operator: Handle, Gear, Pneumatic,
Gear & Pneumatic / Electric

FLANGED END GATE VALVE – K61



Design Std.	As per BS 1414
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	15 mm to300 mm (1/2" to 12")

DIMENSIONS						
	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
15	90	60.5	108	95	66.5	140
20	100	70	117	115	82.5	152
25	110	79.5	127	125	89	165
40	125	98.5	165	155	114.5	190
50	150	120.5	178	165	127	216
65	180	139.5	191	190	149	241
80	190	152.5	203	210	168.5	283
100	230	190.5	229	255	200	305
150	280	241.5	267	320	270	403
200	345	298.5	292	380	330	419
250	405	362	330	445	387.5	457
300	485	432	356	520	451	502

➢ All dimensions are in mm.

BILL OF MATERIALS		
Sr. No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Bonnet	WCB / CF8 / CF8M
3	Wedge	WCB (13% CR) / CF8 / CF8M
4	Seat Ring	SS410 (13 % CR) / CF8 / CF8M
5	Stem	SS410 /SS304 / SS316
6	Back Seat Bush	SS410 /SS304 / SS316
7	Gland Bush	SS410 /SS304 / SS316
8	Gland Flange	CS / CF8 / CF8M
9	Yoke Sleeve	EN8
10	Yoke Nut	MS / SS
11	Hand Wheel	MALLEABLE I RON
12	Hand Wheel Nut	MS
13	Gasket	SPW SS304 GRAPHITE FILLED
14	Gland Packing	GRAPHITE
15	Stud	ASTM A193 Gr. B7
16	Nut	ASTM A194 Gr. B2H
17	Eye Bolt	MS / SS
18	Eye Bolt Nut	MS / SS
19	Key	MS

FLANGED END GLOBE VALVE – K71

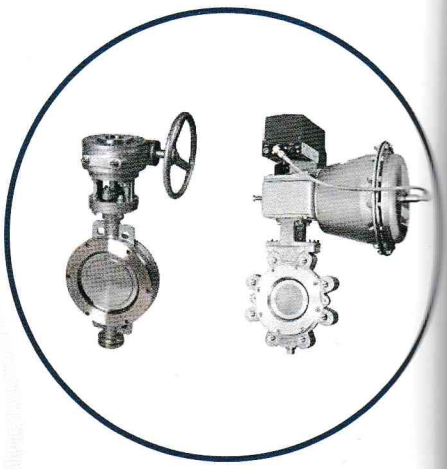
Design Std.	As per BS 1873
End Connection	Flanged End
Testing Std.	As per API 598 or ISO 5208
Size 150# & 300#	25 mm to300 mm (1" to 12")

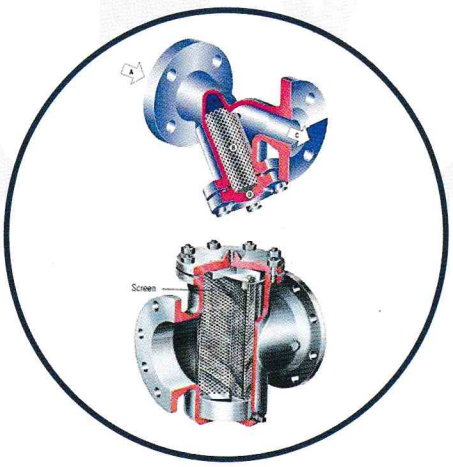
DIMENSIONS						
	150#			300#		
Size	Dia D	PCD	F/F	Dia D	PCD	F/F
25	110	79.5	127	..	..	..
40	125	98.5	165	..	..	..
50	150	120.5	203	165	127.0	267
65	180	139.5	216	190	149.0	292
80	190	152.5	241	210	168.5	318
100	230	190.5	292	255	200.0	356
150	280	241.5	406	320	270.0	444
200	345	298.5	495	380	330.0	559
250	405	362.0	622	445	387.5	622
300	485	432.0	698	520	451.0	711

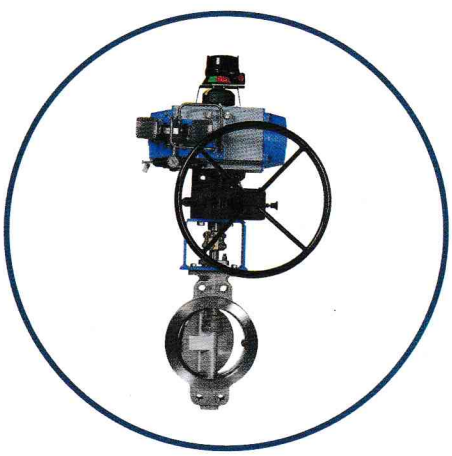
➢ All dimensions are in mm.

BILL OF MATERIALS		
Sr. No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Bonnet	WCB / CF8 / CF8M
3	Wedge	WCB (13% CR) / CF8 / CF8M
4	Seat Ring	SS410 (13 % CR) / CF8 / CF8M
5	Stem	SS410 /SS304 / SS316
6	Back Seat Bush	SS410 /SS304 / SS316
7	Gland Bush	SS410 /SS304 / SS316
8	Gland Flange	CS / CF8 / CF8M
9	Yoke Sleeve	EN8
10	Yoke Nut	MS / SS
11	Hand Wheel	MALLEABLE I RON
12	Hand Wheel Nut	MS
13	Gasket	SPW SS304 GRAPHITE FILLED
14	Gland Packing	GRAPHITE
15	Stud	ASTM A193 Gr. B7
16	Nut	ASTM A194 Gr. B2H
17	Eye Bolt	MS / SS
18	Eye Bolt Nut	MS / SS

Product Gallery







Why Buy From Us?

- Highly committed for Vision, Mission and Core values
- Consistent Quality, Continuous and Continual Improvement
- Professional, Well experienced Team
- Standard and Customized product as per Customer need
- Strong Supplier Network
- 100% Factory tested Valves: Hydro / Air testing / Dimensional/ Visual as per std.
- Inhouse Machining facility (Conventional / CNC Turning / VMC / EDM)
- Qualified NDT Expertise: ASNT Level II (RT / PT / UT / MPT / VT)
- Qualified CE Expertise: PT
- Timely Delivery, Strong Trading network
- Variety in Materials and Specification as per Customer need
- Cast Iron/Ductile Iron/Nickle based Iron/Cast Steel/Stainless Steel/
- Duplex/Hast alloy/Alloy steel/Nonferrous/Monel etc. all graded Castings as per customer need
- Competitive Price, Efficient after Sales-service
- Team for Onsite / Off site / Online Servicing
- Able to deliver all type of Spares

Our Strengths & Key Factors

- Strongly believe in Customer & Commitment
- Deployment of deep Understanding with Customers
- Competitive cost with best quality, assured cost savings
- Support to customer for VA/VE
- Delivery commitment, adherence and execution skill
- Wide supplier database in Indian market
- Technically, strategically and tactically sound team
- Positive and innovative approach
- Deliver Products and Services at right price and best quality
- Delight to customer with high dedication and absolute integrity

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