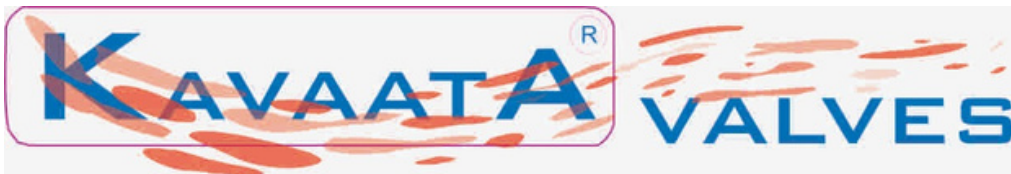




RAJEEV & Company

An ISO 9001:2015 Company

Manufacturers of KAVAATA VALVES and INVESTMENT CASTINGS





► About Company:

Kavaata Valves, produced by Rajeev and Company, are renowned for their high quality in the industrial valve market. Founded in 1996 as a manufacturer of ball valve components, the company has evolved into one of the premier producers of industrial valves, boosting a global sales presence.

Rajeev and Company is a proud member of the Rao Enterprises Group, which was established in 1984 in Belgaum, India. Initially a textile manufacturing firm, it specialized in producing polyester sarees, a traditional Indian garment. In 1996, as part of a strategic diversification into engineering, Rajeev and Company began manufacturing industrial valve components, including balls, stems, and glands. Utilizing cutting-edge CNC machining technology, the company ensured superior quality and consistency in its components, quickly becoming a preferred supplier in the industrial valve sector. In 2006, the company further expanded its offerings by launching its own brand of industrial valves, "Kavaata Valves."

The manufacturing plant is situated on a picturesque 4-acre plot surrounded by 1,000 teak, coconut, and mango trees. The facility features a state-of-the-art 18,000 square foot building equipped with advanced machinery for producing world-class valves and investment castings.

In a major milestone, the company opened its own investment casting foundry in 2025.

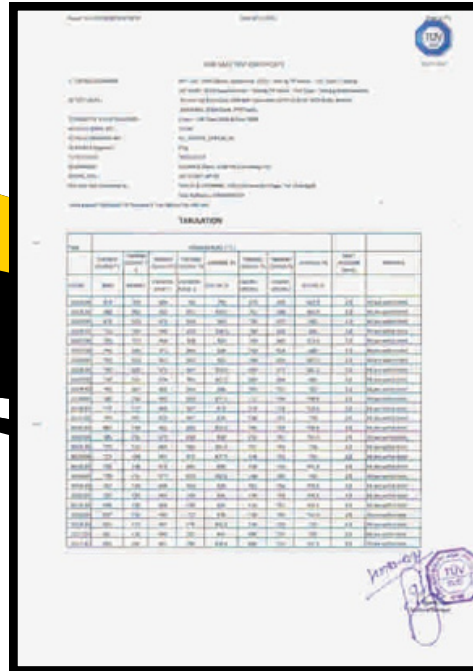
- **ISO 9001:2015 CERTIFICATE**

"Rajeev & Company is an ISO 9001:2015 company by TUV SUD, Germany".



- **FIRE SAFE CERTIFICATE**

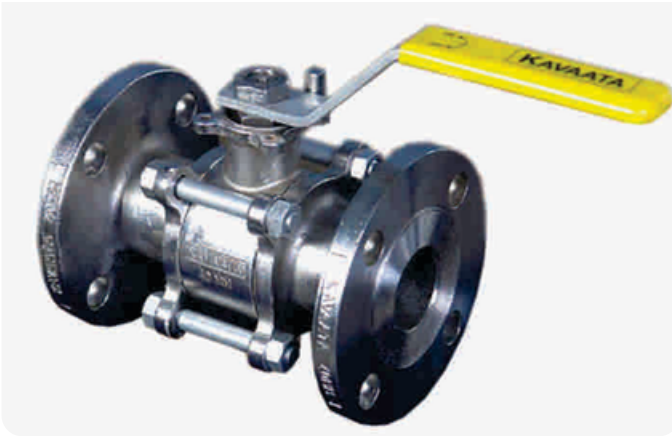
"Kavaata Valves Flanged End 2 Piece Ball Valves are certified for fire safe use by TUV SUD, Germany".



► Main Clients

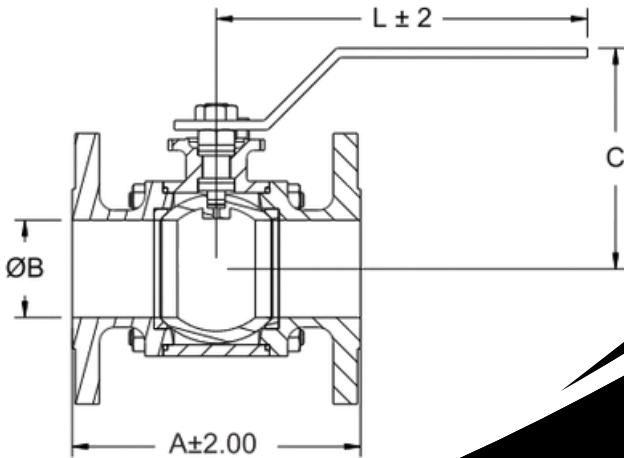


3 Piece Flanged End Ball Valve

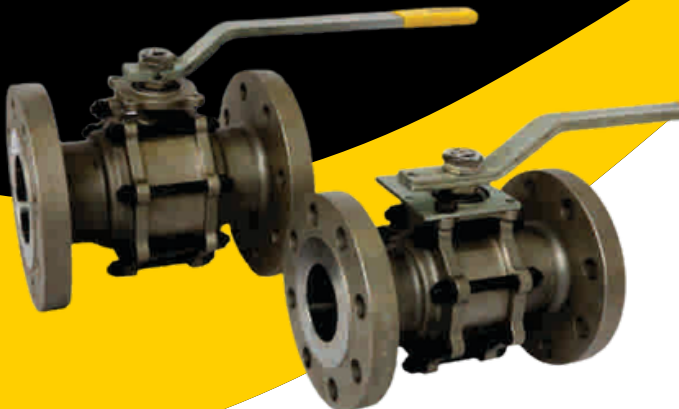


KAVAATA Flanged End Ball Valves are made from Investment Castings, designed & manufactured as per ISO 17292 / API6D standards. The material of construction generally offered are ASTM A216 Gr WCB (CS), ASTM A351 Gr CF8 (SS304) & ASTM A351 Gr CF8M (SS316).

► Technical Specifications:



SIZE	A	ØB	ØD	ØR	ØF	ØH X N	T	L
15FB	108	13	90	35	60.3	16 X 4	10	170
20FB	117	19	100	43	69.3	16 X 4	11	170
25FB	127	25	108	51	79.4	16 X 4	11.2	190
40FB	165	38	127	73	98.4	16 X 4	14.7	250
50FB	178	50	150	92	120.7	19 X 4	16	250
65FB	190	64	180	105	139.7	19 X 4	17.9	250
80FB	203	75	190	127	152.4	19 X 4	19	300
100FB	229	100	229	157	190.5	19 X 8	24	400
150FB	267	150	280	216	241.3	22.22 X 8	25.4	*
200FB	457	200	345	270	298.5	22.22 X 8	29	*
250FB	533	250	405	323.8	362	25.4 X 12	30.6	*



PART NAME	MATERIAL
Body/ Adapters	ASTM A216 Gr WCB ASTM A351 Gr CF8 ASTM A351 Gr CF8M
Ball	SS304/SS316/SS410
Stem	SS304/SS316
Nuts	SS304
Studs	CS or SS304
Nuts	CS or SS304
Seat	PTFE / GFT
Seal	CFT

VALVE STANDARDS

Pressure Rating	ASA 150#/300#/600#
Design	BS5351/ISO17292
Face to Face	ASME B 16.10

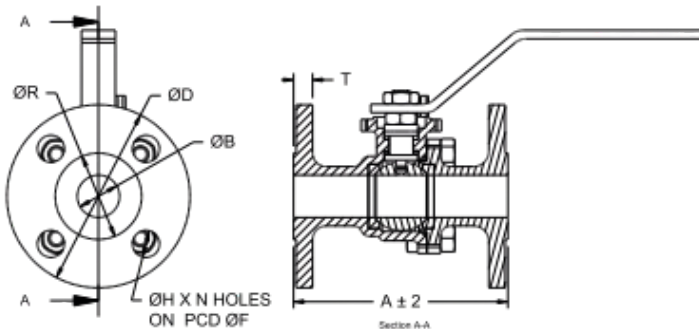
Flange Dimension	ASME B 16.5
Test Pressure	BS 6755/API 598

2 Piece Flanged End Ball Valve

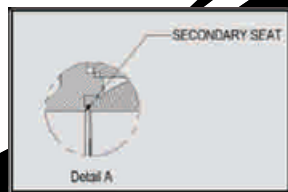


Flanged End 2 Piece design Ball Valves are economical & less prone to leakages. These valves are also known as Split Body design valves. These valves are by far most commonly used Ball Valves in the industry. These Ball Valves are available in ASA Class 150# & are tested as per Fire safe test standards such as API 607 VI edition / ISO 10497:2010.

► Technical Specifications:



SIZE	A	ØB	ØD	ØR	ØF	ØH X N	T	L
15FB	108	13	90	35	60.3	16 X 4	10	170
20FB	117	19	100	43	69.9	16 X 4	11	170
25FB	127	25	108	51	79.4	16 X 4	11.2	190
40FB	165	38	127	73	98.4	16 X 4	14.7	250
50FB	178	50	150	92	120.7	19 X 4	16	250
65FB	190	64	178	105	139.7	19 X 4	17.5	250
80FB	203	75	190	127	152.4	19 X 4	19	300
100FB	229	100	229	157	190.5	19 X 8	24	400
150FB	267	150	280	216	241.3	22.22 X 8	25.4	*



PART NAME

MATERIAL

Body/ Adapter

ASTM A 216 Gr. WCB

ASTM A351 Gr.CF8

ASTM A351 Gr. CF8M

Ball

• SS304/ SS 316/ CF8/ CF8M

Stem

• SS304/ SS316

Seat

• PTFE / RPTFE

Seals

• PTFE

Lever

• CS

VALVE STANDARDS

Pressure Rating

ASA 150#

Design

BS5351/ISO17292

Face to Face

ASME B 16.10

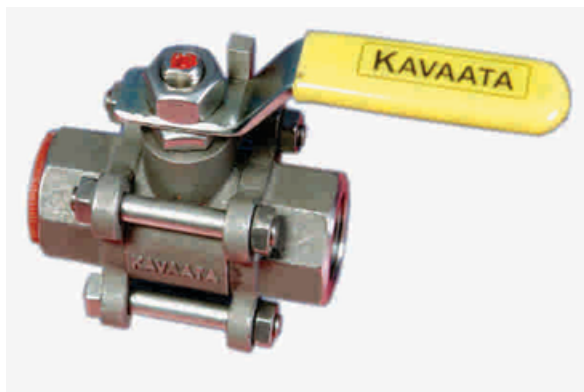
Flange Dimension

ASME B 16.5

Test Pressure

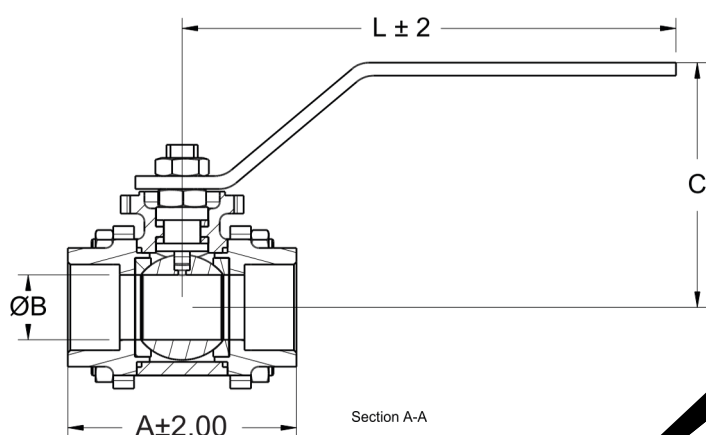
BS 6755/API 598

3 Piece Screwed End Ball Valve



Kavaata Screwed End Investment Cast Ball Valves are designed and manufactured as per BS 5351/ ISO17292 or API 6D standards. The materials of construction generally offered are ASTM A216 Gr WCB (CS), ASTM A351 Gr CF8 (SS304) and ASTM A351 Gr CF8M (SS316).

► Technical Specifications:



SIZE	A	B	C	L
15 FB	75	13	51	85
20 FB	81	19	56	85
25 FB	88	25	98	190
40 FB	120	38	119	250
50 FB	128	50	127	250

All dimensions are in mm
Due to continuous improvements, dimensions are subject to change

PART NAME	MATERIAL
Body / Adapters	ASTM A216 Gr WCB ASTM A351 Gr CF8 ASTM A351 Gr CF8M
Ball	SS304/SS316/SS 410/CF8/CF8M
Stem	SS304 / SS316
Nuts	SS304
Fasteners	CS / SS304
Seat	PTFE / GFT
Seal	PTFE

VALVE STANDARDS

Pressure Rating	ASA 150#/300#/ 600#
Design Standard	BS5351/ISO17292

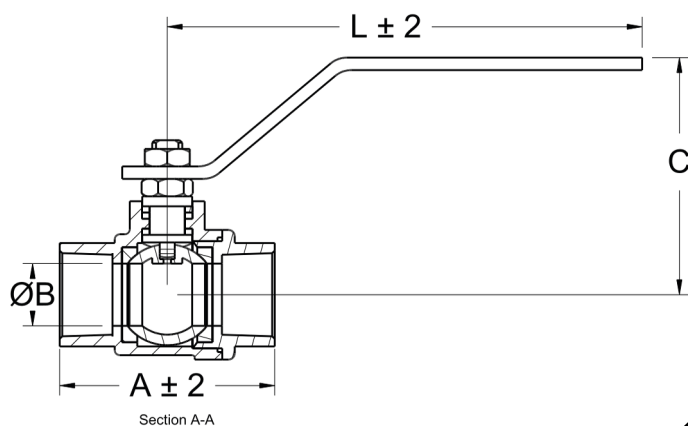
Testing Standard	BS 6755/API 598
End Connection	BSP, NPT, Socket Weld

2 Piece Screwed End Ball Valve



The screwed end 2 piece design ball valves are economical as the design is simpler with less number of body joints. However, there is no compromise on quality- be it in material selection or workmanship. All the sizes are Full Bore. ½" Ball Valve is available in reduced bore also.

► Technical Specifications:



SIZE	A	ØB	C	L
15FB	68	13	50	90
20FB	76	19	55	90
25FB	85	25	95	195
40FB	114	38	108	250
50FB	124	50	112	250

All dimensions are in mm

| Due to continuous improvements, dimensions are subject to change :

PART NAME	MATERIAL
Body / Adapter	ASTM A 216 Gr. WCB ASTM A351 Gr. CF8 ASTM A351 Gr. CF8M
Ball	SS304/ SS 316/ CF8/ CF8M/SS410
Stem	SS304/ SS316
Seat	PTFE / RPTFE
Seals	PTFE
Gland	SS304
Lever	CS



VALVE STANDARDS

Pressure Rating	ASA 150#/300#
Design Standard	BS5351/ISO17292

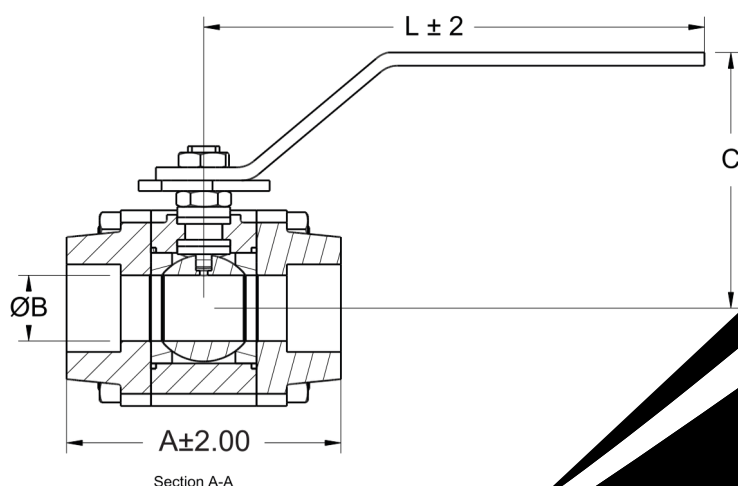
Testing Standard	BS 6755/API 598
End Connection	BSP, NPT

Forged Steel Ball Valve



The Forged Steel Ball Valves are rugged in construction and are designed as per BS 5351 (ISO 17292) standards. The material of construction offered is ASTM A105 Forged Steel. The trims can be supplied in SS304 or in SS316.

Technical Specifications:



Dimensions for Class 800#

SIZE	A	B	C	L
15 RB	69	10	45	90
20 RB	72	13	76	170
25 RB	91	20	84	170
40 RB	118.50	32	102.50	198
50 RB	127	38.10	107	198

All dimensions are in mm

| Due to continuous improvements, dimensions are subject to change |

PART NAME	MATERIAL
Body/ Adapter	ASTM A-105
Ball	SS304 / CF8
Stem	SS304
Nuts	CS
Bolt	CS/ASTM B7
Nuts	CS/ ASTM 2H
Seat /Stem Seal	PTFE/GFT
Seal	GFT
Lever, Locker	CS

VALVE STANDARDS

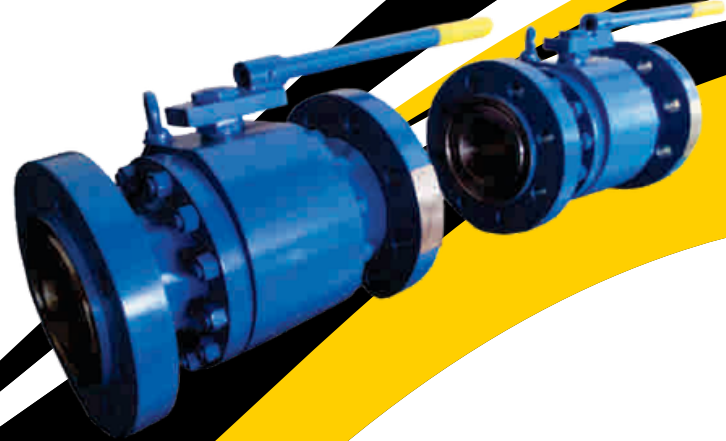
Pressure Rating	800#	Testing Standard	BS 6755/API 598
Design Standard	BS 5351/ISO17292	End Connection	BSP, BSPT, NPT (F), Weld

Metal Seated Ball Valve



Metal seated Ball Valves are preferred when the operating temperature is typically above 250 deg C and upto 400 deg C, where the soft seats fail. The ball made of SS304 / SS316 is either coated with Nickel (by Electroless Nickel Plating) or hard faced with Stellite or coated with Chrome Carbide (HVOF) depending upon the operating temperature and pressure. The matching metal seats are also hard faced or HVOF coated.

Variety of ball coatings like ENP, Stellite Overlay, HVOF for different temperature ranges. Very low torque for ease of operation even at high temperature. Class VI leakage also available upon request. Flanged end, screwed end and socket weld ends available. Available in 3 Way L port option also



► Technical Specifications

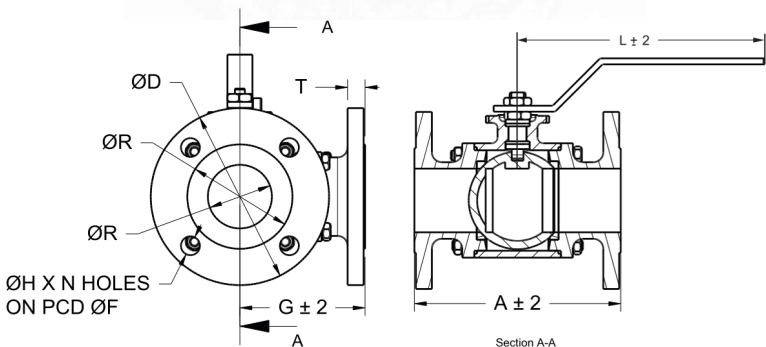
PARTICULARS	
Material of Construction	CS/ WCB/ CF8/ CF8M
Sizes	½" to 8"
Ends	Flanged / Screwed /Socket weld/Butt Weld
Way	2 way / 3 way
Seats	SS 304 / SS316 with hard-faced Stellite/ HVOF
Ball	SS304 / SS316 with ENP or hard-faced Stellite / HVOF
Stem	SS 17-4 PH
Seals	Graphite
Stem Seals	Graphite
Springs	Inconel
Operation	Manual / Actuation (pneumatic,electric)
Temperature	Upto 600 deg C
Pressure Rating	Class 150#/300#/600#

Multiport Ball Valves:

3-Way Ball Valve



Three Way (3 Way) Ball Valves are used to divert the flow of fluid. They come in Flange End or Screwed end configurations and can be either L or T Type. They can be supplied either with a handle or with a common lever. Optionally a pressure equalization line can also be provided. Two such valves can be coupled together by a common lever to work simultaneously and are known as Double 3-way valve or 3-Way Double Valve.



SIZE	A	ØB	ØD	ØR	G	ØF	ØH X N	T	L
40FB	165	38	125	73	92	98.4	16 X 4	14.7	250
50FB	215	50	150	92	107	120.7	19 X 4	16.3	250
65FB	216	64	180	105	125	139.7	19 X 4	17.9	250
80FB	245	75	190	127	140	152.4	19 X 4	19.5	300
100FB	280	100	230	157.2	190	190.5	19 X 8	24.3	400
150FB	450	150	280	215.9	225	241.3	22.22 X 8	25.9	800

All dimensions are in mm
| Due to continuous improvements, dimensions are subject to change
| Contact for other classes
NOTE: | G is distance from valve bore axis to third side face
| T is the flange fitting thickness
| Pressure equilisation line available as option



3-Way Ball Valve can also be supplied in Screwed End. Contact for dimension details.

Size	1/2" - 10" (DN15- DN250)
Class	150#, 300#, PN10, PN16
Material	WCB, CF8M (SS316), CF8(SS304), Duplex SS, Inconel, Hastelloy
Port	Full Port
End connection	Flanged End / SE (ANSI/ DIN)
Operation	Manual / Actuated
Configuration	L-Port / T-Port

L-port configuration



T-port configuration



T-port Ball Valve with 2 seats design is available

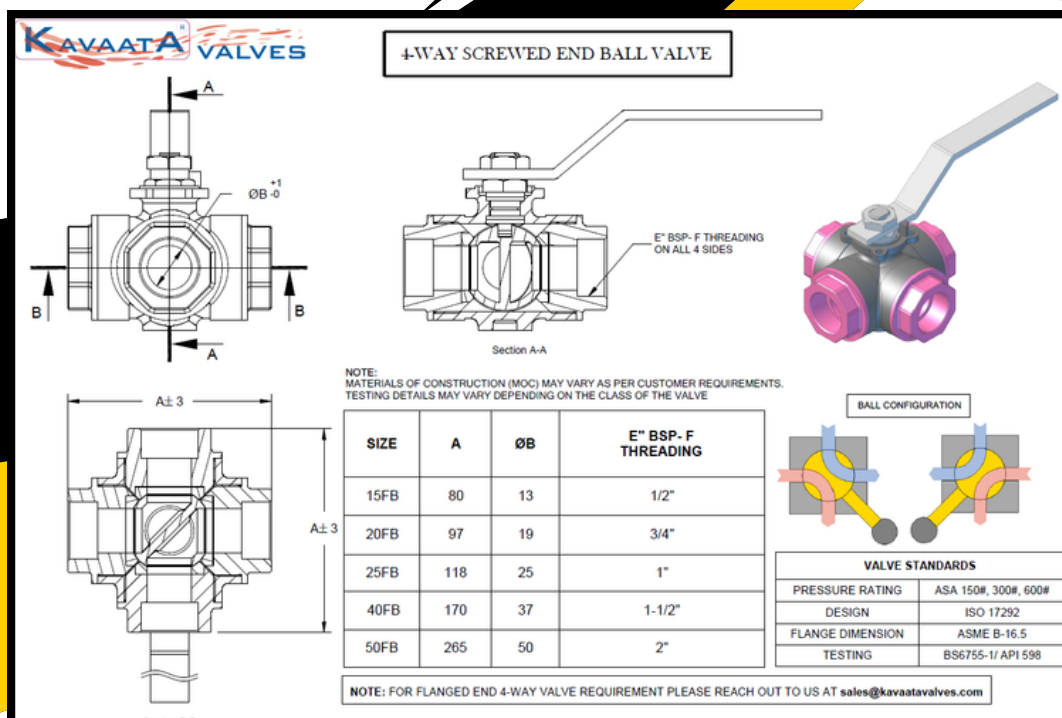
4-Way Ball Valve



4 Way Ball Valves are offered with L-L port or Double L Port and are manufactured with screwed ends. These valves are used when two right-angle diversions have to be done using one single valve. These valves will have two inlets and two outlets at any given time. The balls inside the valve are precisely machined to achieve this objective.

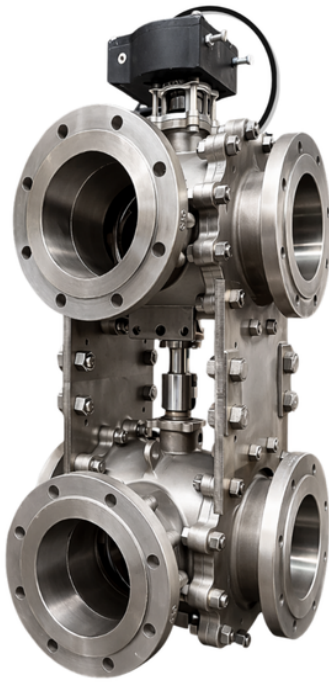
► Technical Specifications:

Size	½" to 2" (DN15 to DN50)
Class	150#, 300#, 600#
Material	WCB, CF8M (SS316), CF8(SS304), Duplex SS, Inconel, Hastelloy
Port	Full Port
End Connection	Screwed End (BSP / NPT)
Operation	Manual (Lever / Operating Flange) / Actuated
Configuration	Double L Port (L-L Port)



For flanged end specifications, please contact us.

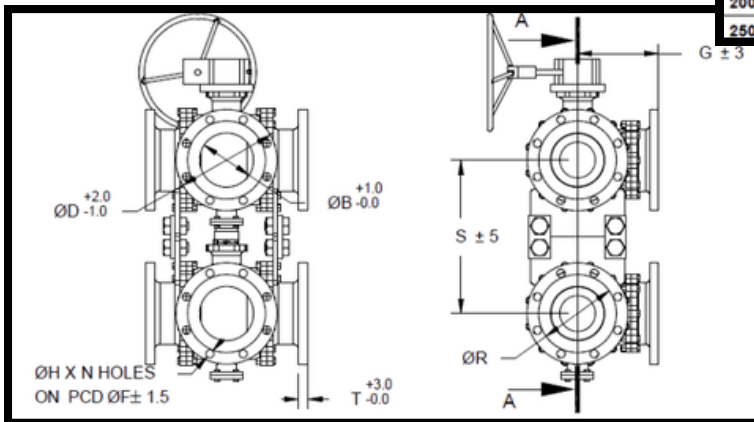
6-Way Ball Valve



6 Way Ball Valve is designed for Duplex Filters to achieve smooth changeover between the filters. This valve is basically an assembly of two 3-way valves fitted on top of each other and operated by a handle or a gear placed on top. The two valves are operated simultaneously and are interconnected by a coupling between them. These valves are sturdy and compact in design and are used where space is a constraint.

► Technical Specifications:

SIZE	A	ØB	ØD	ØR	G	ØF	ØH X N	T	S
15FB	108	13	90	35	66	60.3	16 X 4	11	AS PER CUSTOMER REQUIREMENT
20FB	117	19	100	43	68	69.3	16 X 4	10.9	
25FB	127	25	110	51	75	79.4	16 X 4	11.6	
32FB	165	32	115	63.5	100	88.9	16 X 4	13.2	
40FB	165	38	127	73	92	98.4	16 X 4	14.7	
50FB	215	50	150	92	107	120.7	19 X 4	16.3	
65FB	216	64	180	105	125	139.7	19 X 4	17.9	
80FB	245	75	190	127	140	152.4	19 X 4	19.5	
100FB	280	100	230	157.2	190	190.5	19 X 8	24.3	
125FB	421	125	255	185.7	230	215.9	22.22 X 8	24.3	
150FB	450	150	280	215.9	225	241.3	22.22 X 8	25.9	
200FB	537	200	345	269.9	347	298.5	22.22 X 8	29	
250FB	700	250	405	323.8	400	362	25.4 X 12	30.6	

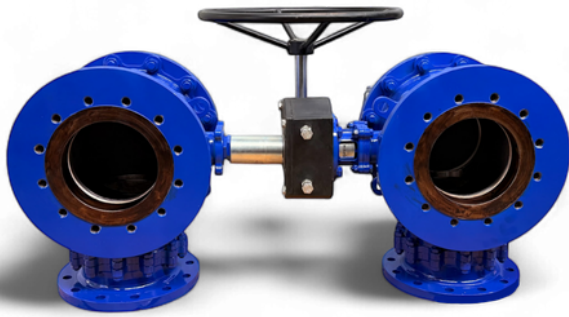


Size	1-1/2" - 10" (DN40- DN250)
Class	150#, 300#, PN10, PN16
Material	WCB, CF8M (SS316), CF8(SS304), Duplex SS, Inconel, Hastelloy
Port	Full Port
End connection	Flanged End (ANSI / DIN)
Operation	Manual / Actuated
Configuration	L-Port / T-Port



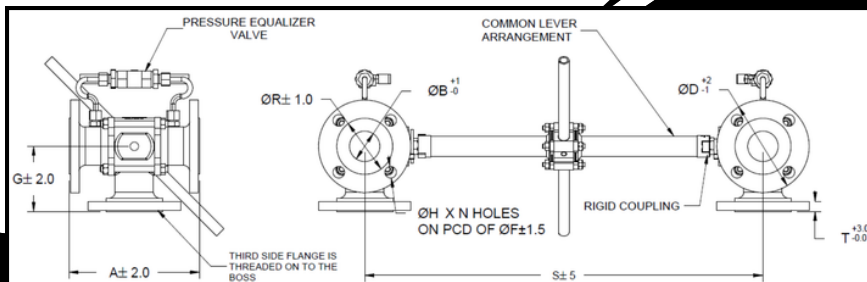
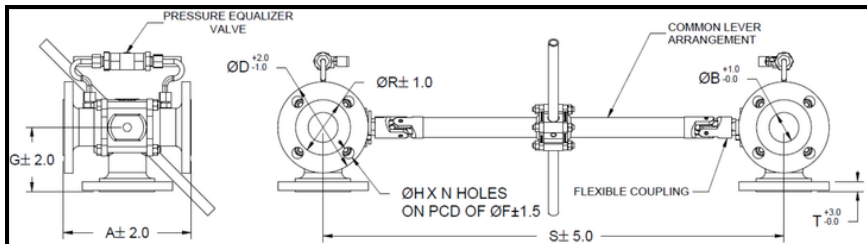
- Designed for duplex filter and heat exchanger
- Smooth changeover between filters
- Available with rigid coupling
- Low maintenance cost

Double 3-Way Ball Valve



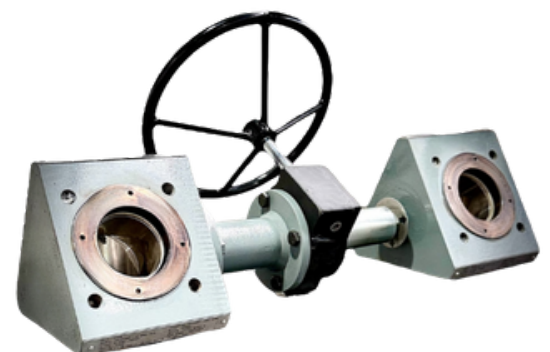
KAVAATA is market leader in Double 3-way valves also known as 3 Way Double Valves or Double 3-Way Transfer Valves or simply Transfer Valves. These valves are manufactured by coupling two "3 Way Ball Valves" together by a rigid/ flexible coupling. A single handle is provided to operate the two valves simultaneously. These types of valves are specially used in Duplex Heat Exchangers and Duplex Filters where it is required to operate two 3-Way Ball Valves simultaneously

► Technical Specifications:



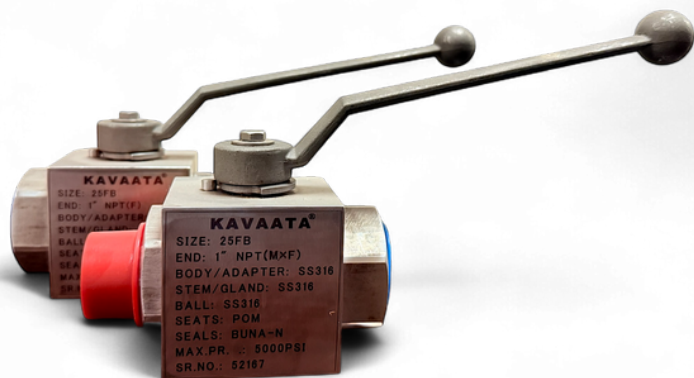
Size	1/2" - 10" (DN15- DN250)
Class	150#, 300#, PN10, PN16
Material	WCB, CF8M (SS316), CF8(SS304), Duplex SS, Inconel, Hastelloy
Port	Full Port
End connection	Flanged End (ANSI / DIN)
Operation	Manual / Actuated
Configuration	L-Port / T-Port

SIZE	A	ØB	ØD	ØR	G	ØF	ØH X N	T	S
15FB	108	13	90	35	66	60.3	16 X 4	11	AS PER CUSTOMER REQUIREMENT
20FB	117	19	100	43	68	69.3	16 X 4	10.9	
25FB	127	25	110	51	75	79.4	16 X 4	11.6	
32FB	165	32	115	63.5	100	88.9	16 X 4	13.2	
40FB*	165	38	127	73	92	98.4	16 X 4	14.7	
50FB*	215	50	150	92	107	120.7	19 X 4	16.3	
65FB*	216	64	180	105	125	139.7	19 X 4	17.9	
80FB*	245	75	190	127	140	152.4	19 X 4	19.5	
100FB*	280	100	230	157.2	190	190.5	19 X 8	24.3	
150FB*	450	150	280	215.9	225	241.3	22.22 X 8	25.9	
200FB	537	200	345	269.9	347	298.5	22.22 X 8	29	
250FB	700	250	405	323.8	400	362	25.4 X 12	30.6	



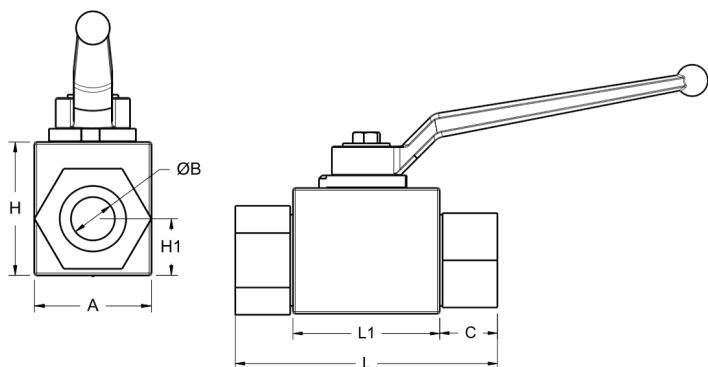
- Designed for duplex filter and duplex heat exchanger
- Easy to operate
- Available with flexible/ rigid coupling
- Wide range of seat and seal materials

High Pressure Ball Valve



Lines operating under high pressure, typically around 300 bar, require high pressure ball valves for ON/OFF application. These valves are specially designed to withstand continuous use under these severe conditions. The Material of Construction is CS and Stainless Steel. These type valves can be supplied in round and square body.

Technical Specifications:



PART NAME	MATERIAL
Body /Adapter	MS / Stainless Steel
Ball	SS304
Seat /Stem Seat	POM
Stem	MS / Stainless Steel
Bolt /Washer	MS
Locker Plate	MS ZINC PLATED
Body Seal /Stem Seal	Buna- N
Handle	WCB

SIZE	A	ØB	C	H	H1	L	L1	MAX. WORKING PRESSURE
G 1/2	30	12	15	40	17	82	51	320/ 500 BAR
G 3/4	45	19	16	55	24	92	60	320 BAR
G 1	50	24	22.5	60	25.5	115	70	320 BAR
G1 1/2	75	38	20	94	47	130	91	320 BAR

VALVE STANDARDS

Sizes	1/2", 3/4", 1", 1 1/2"	Bore	Full Bore
Design Standard	BS5351/ ISO17292	Actuator mounting	Optional
Working Pressure	320 bar	Max Operation Temperature	80°C
Testing Pressure	450 bar	End Connections	Screwed BSP/ NPT

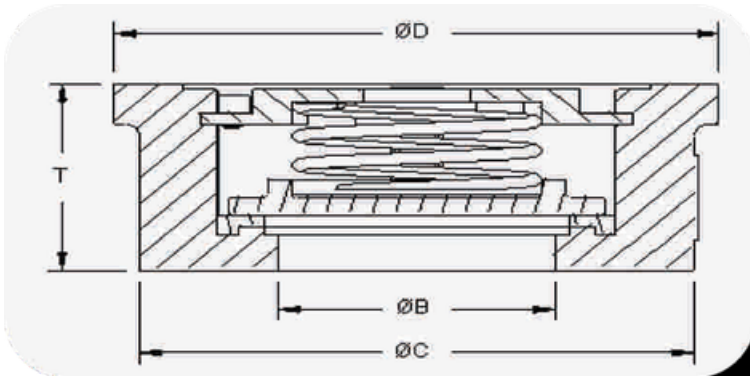
Non Slam Check Valve



KAVAATA Non-Slam Check Valves are made of Investment Castings, designed and manufactured as per BS7438/ ASME 16.34. The valve can be supplied in sizes like 1/2" to 4". The common materials of construction are ASTM A216 Gr WCB (CS), ASTM A351 Gr CF8 (SS304) and ASTM A351 Gr CF8M (SS316)

Non-slam check valves are lift type non return valves used in pipelines to prevent backflow of the fluids with elimination of water hammer effect and hence reducing resultant pressure swings, vibrations and damage. Their application is found throughout the chemical processing industry, steam condensate systems, power generation industry, textile industry, water treatment, boilers etc. These valves are used in process line, hot & cold water system, heating system, oil lines etc.

► Technical Specifications:



SIZE	ØB	ØD	ØE	ØC	T
25MM	25	63	44	55	22
32MM	32	74	53	67	28
40MM	39	85	66	78	32
50MM	49	95	77	92	40
65MM	65	115	97.5	113	46



PART NO.	PART NAME	PART MATERIAL
11	BODY	ASTM A315 Gr CF8M
12	COVER	SS316
13	DISC	SS316
14	SPRING	SS316
15	SEAL	PTFE

Pressure Rating	PN 100
Design Standard	ASME B-16.34/ BS 7438
Test Pressure	API 598

KAVAATA'S Investment Castings



Investment casting, also known as lost-wax casting, allows for the creation of intricate geometries that are impossible or costly to achieve with traditional manufacturing methods. Whether you're in aerospace, automotive, medical devices, or any other industry that requires precision components, our new unit is equipped to deliver the highest quality products, reducing waste and enhancing operational efficiency.

Our investment casting process prioritizes innovation and customer satisfaction, ensuring that every piece meets high standards. We maintain an inventory of ready shells to minimize delivery time for valve orders. Our capacity for die development supports new product development, and we have a 50 Kg crucible for producing small batches of exotic metal castings.

The range of materials we offer are:

- ASTM A216 GR WCB
- ASTM A351 GR CF8
- ASTM A351 GR CF8M
- ASTM A351 GR CF3
- ASTM A351 GR CF3M
- ASTM A890 CD3MN
- ASTM A890 CE3MN
- And more...



INFRASTRUCTURE





An ISO 9001:2015 Company

Manufacturers of **KAVAATA VALVES** and **INVESTMENT CASTINGS**



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Email: sunilgera@adsyglobal.com