

BALL VALVE (TWO PIECE DESIGN)

INTRODUCTION:

FLOCON INDUSTRIES have an extensive experience in manufacturing of sanitary BALL VALVES. Sanitary ball valve designed with bore diameter same as of pipe diameter.



WORKING PRINCIPLE:

The Flocon Industries sanitary ball valve has a precision-made ball with full bore positioned inside the valve body and two PTFE valve seats and one retainer. A 90° rotation of the valve stem enables opening or closing the valve. A specially selected PTFE-grade material secures long lifetime. Manually-operated handle enables valve operation. Valve retainer enable assembly and disassembly for easy inspection cleaning and maintenance.

STANDARD DESIGN:

The Flocon Industries sanitary ball valve consists of a valve body and one retainer, a ball fitting into sealing seats, and a stem connecting to a manual handle. The valve comes with standard Triclover ends, SMS union ends and Butt weld ends. Standard design enables cleaning and product recovery using pigging systems OD Standards.

DESIGN CODE:

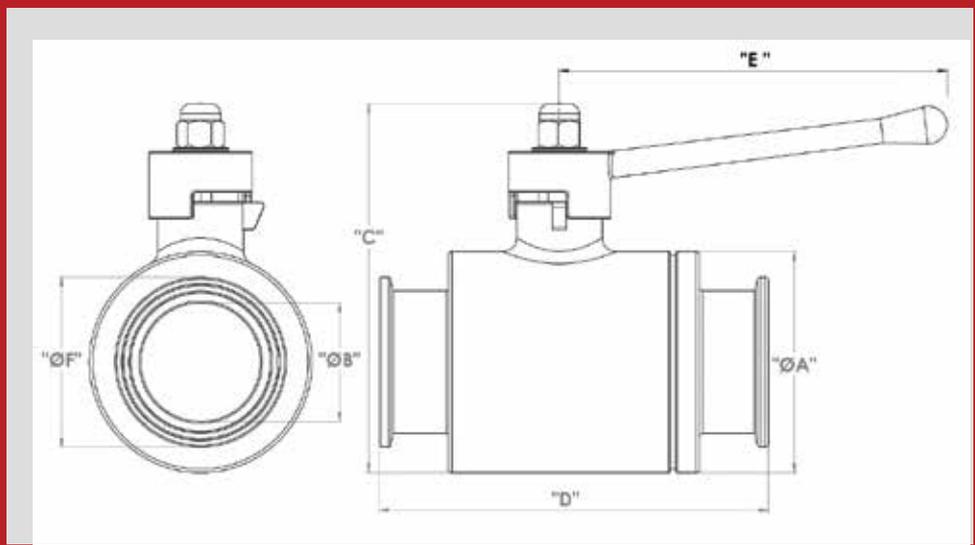
Confirming to ASME
B16 / ASME BPE &
Equiv Standards.

BENEFITS:

- Reliable full-flow performance.
- Compact hygienic design
- Versatile operation manual control
- Durable and water hammer-safe
- Easy to clean

APPLICATION:

The Flocon Industries sanitary ball valve is ideal for use as a hygienic product valve across the dairy, food, beverage, chemical, Pharmaceutical and many other allied industries.



TECHNICAL SPECIFICATION:

Size	½" to 4" OD
Max. Operating Pressure	14 Bar
Max. Operating Temperature	140°C
Material of Construction	SS304, SS316L
Seat	Teflon
Surface Finish Internally	Ra <0.4 µm
External Finish Internally	Ra <0.8 µm

TWO PIECE BALL VALVE SIZE CHART

2 PIECE BALL VALVE TC END

Size	A	B	C	D	E	F
±2mm	BODY OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	TC OD
1/2"	39	9.5	68	81	120	25
3/4"	44	16	94	97	150	25/50.5
1"	51	22	100	105	150	50.5
1.5"	65	35	110	114	150	50.5
2"	88	48	138	138	190	64
2.5"	108	60	158	157	190	77.5
3"	122	72	202	172	250	91
4"	164	98	244	222	300	119

2 PIECE BALL VALVE BUTT WELD END

Size	A	B	C	D	E	F
±2mm	BODY OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	PIPE OD
1/2"	39	9.5	68	81	120	12.7
3/4"	44	16	94	97	150	19
1"	51	22	100	105	150	25.4
1.5"	65	35	110	114	150	38.1
2"	88	48	138	138	190	50.8
2.5"	108	60	158	157	190	63.5
3"	122	72	202	172	250	76.2
4"	164	98	244	222	300	101.6

2 PIECE BALL VALVE SMS NUT END

Size	A	B	C	D	E	F
±2mm	BODY OD	INNER DIAMETER	OVERALL HEIGHT	OVERALL LENGTH	HANDLE LENGTH	SMS MALE PART
1/2"	NA	NA	NA	NA	NA	NA
3/4"	NA	NA	NA	NA	NA	NA
1"	51	22	100	105	150	40
1.5"	65	35	110	114	150	60
2"	88	48	138	138	190	70
2.5"	108	60	158	157	190	85
3"	122	72	202	172	250	98
4"	164	98	244	222	300	132

PART LIST

Item No.	Part Name	MOC	Qty
1	Body	SS316L/SS304	1 no.
2	Ball	SS316L/SS304	1 no.
3	Retainer	SS316L/SS304	1 no.
4	Ball Seat	Teflon	2 nos.
5	Body Seal	Teflon	1 no.
6	Bottom Spindle Packing	Teflon	1 no.
7	Spindle	SS316L/SS304	1 no.
8	Top Spindle Packing	Teflon	1 no.
9	Gland Nut	SS304	1 no.
10	Handle	SS304	1 no.
11	Steel Washer	SS304	1 no.
12	Dome Nut	SS304	1 no.
13	O-Ring	EPDM	1 no.

