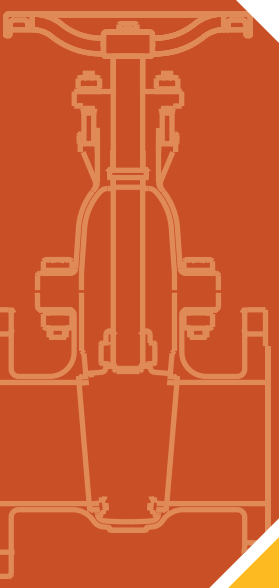
fivalco®



2026

PRODUCT CATALOGUE

STAINLESS STEEL INDUSTRIAL VALVES

A truly world class manufacturer serving Global Markets

A True Manufacturer

Fivalco is an inventor and leading manufacturer of superior flow control products. Our products are designed-tested and certified by the leading testing agencies, including the Underwriters Laboratories (UL), Factory Mutual (FM), Water Regulations Approval Scheme (WRAS), National Sanitation Foundation (NSF) and etc, based on a wide range of global standards.

Founded in 1985 by Sir Michael J.Graham in California, USA, we have dedicated ourselves to the production of critical flow control products, serving the critical Fire Protection, Heating, Ventilation & Air Conditioning (HVAC), General Process Industries, Water Supply & Water Treatment markets worldwide.

We operate from our main facilities utilising the latest manufacturing technologies and equipment available to produce world class flow control products. We strive to continue to provide the highest quality products to discerning customers at all times.

List

List

fivalco®

An American brand trusted for over 40 years

The quality goes in before our name goes on

SS304 PN16 F1216-50 | SS316 PN16 F1216-51

STAINLESS STEEL

FULL LUG BUTTERFLY VALVE

BUTTERFLY VALVE WAFER TYPE

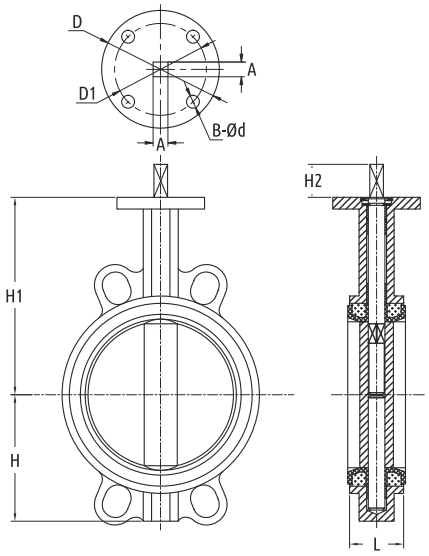
SS304 PN16 F1116-50
SS316 PN16 F1116-51

FEATURES & SPECIFICATIONS

- High strength disc with pinned single shaft for optimal alignment
- Centrally mounted disc and hydrodynamic design minimizes pressure loss
- Can be installed at horizontal or vertical pipe line
- Phenolic backed rubber seat is non-collapsible, stretch resistant and easily replaceable
- Excellent flow characteristic with flow in either direction
- Design conforms to API609
- Precision machining of disc for low operating torque
- Oil-free processing treatment option available

TECHNICAL SPECIFICATIONS

Size	DN50 ... DN600
Body Design	Wafer
Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-10°C ... 100°C
Applicable Medium	Water, Oil, Gas
Operator	Lever, Wormgear, Electric Actuator
Connection	BS 4504 PN10 / PN16 EN1092-2 PN10 / PN16 ANSI B16.1 Class 125 / 150
Optional Accessories	Chain Wheel, Limit Switch



MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Disc	Stainless Steel 304 Stainless Steel 316
Seat	EPDM
Stem	Stainless Steel 431
O-ring	EPDM
Bushing	Polymer

DIMENSIONS

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
H	63	84	91	102	117	130	168	202	239	248	298	320	360	444
H1	128	134	142	163	189	203	243	268	313	339	400	422	480	562
H2	25	25	25	28	28	28	35	40	40	40	50	55	65	70
L	42	45	45	50	53.5	56	59	65.5	76.5	76.5	85.7	104.6	127	151.36
D	65	65	65	90	90	90	125	125	125	125	175	175	175	210
D1	50	50	50	70	70	70	102	102	102	102	140	140	140	165
A	9	9	9	11	14	14	17	22	22	22	27	27	32	36
B-Ød	4-8	4-8	4-8	4-10	4-10	4-10	4-12	4-12	4-12	4-12	4-18	4-18	4-18	4-22
ISO5211	F05	F05	F05	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16

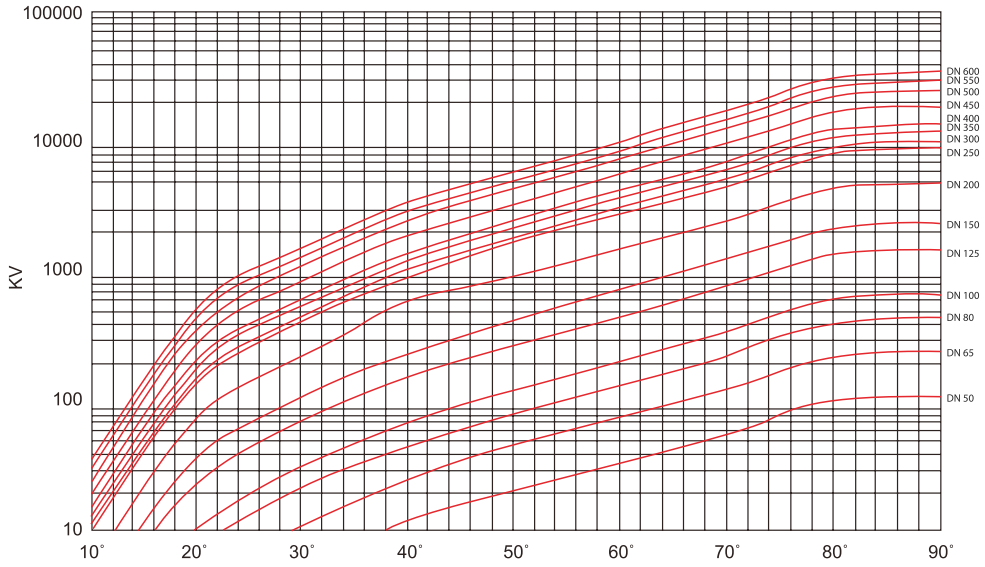
BUTTERFLY VALVE WAFER TYPE

SS304 PN16 F1116-50
SS316 PN16 F1116-51

VALVE COEFFICIENT (FULL OPEN)

Cv = 1.17Kv

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	22	24
Cv	135	220	302	600	1022	1579	3136	5340	8250	11917	16388	21705	27908	35170	43116

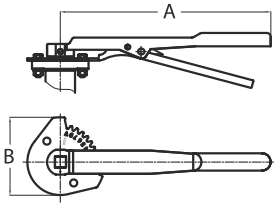


DIMENSIONS (VALVE OPERATOR)

Malleable Iron / Stainless Steel Lever
Stainless Steel SUS304 Top Indicator Plate

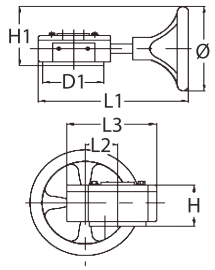
(mm)

DN (mm)	50-150	200
DN (inch)	2-6	8
A	262	356
B	114	165



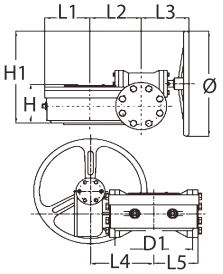
Cast Iron 1-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

VALVE DIAMETER	D1	ø	H	H1	L1	L2	L3
DN50 - DN80	65	150	33	70	216	45	127
DN100 - DN150	90	150	33	70	216	45	127
DN200 - DN250	125	285	36	76	303	63.5	170
DN300 - DN350	125	285	40	79	300	80	190
DN400	175	385	79	232.5	300	80	190
DN450 - DN550	175	390	108	251	397/427	120	279



Cast Iron 2-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

VALVE DIAMETER	D1	ø	H	H1	L1	L2	L3	L4	L5
DN600	210	285	125	271	107	100	156	168	107

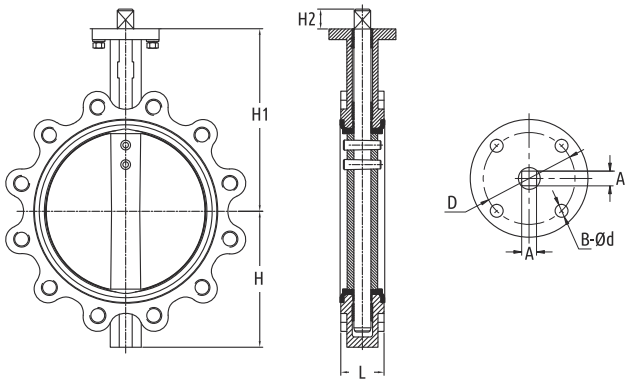


BUTTERFLY VALVE LUG TYPE

SS304 PN16 F1216-50
SS316 PN16 F1216-51

FEATURES & SPECIFICATIONS

- High strength disc with pinned single shaft for optimal alignment
- Centrally mounted disc and hydrodynamic design minimize pressure loss
- Can be installed at horizontal or vertical pipe line
- Phenolic backed rubber seat is non-collapsible, stretch resistant and easily replaceable
- Excellent flow characteristic with flow in either direction
- Design conforms to API609
- Precision machining of disc for low operating torque



TECHNICAL SPECIFICATIONS

Size	DN50 ... DN600
Body Design	Lugged
Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-10°C ... 100°C
Applicable Medium	Water, Oil, Gas
Operator	Lever, Wormgear, Electric Actuator
Connection	BS 4505 PN10 / PN16 EN1092-2 PN10 / PN16 ANSI B16.1 Class 125 / 150
Optional Accessories	Chain Wheel, Limit Switch

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Disc	Stainless Steel 304 Stainless Steel 316
Seat	EPDM NBR
Stem	Stainless Steel 420 Stainless Steel 431 Stainless Steel 410
Pin	Stainless Steel 304 Stainless Steel 316

Part	Material
Bushing	PTFE
O-ring	EPDM NBR
Bolt	Stainless Steel 304
Nut	Stainless Steel 304
Washer	Stainless Steel 304
Spring Washer	Stainless Steel 304
Lever	Ductile Iron Stainless Steel 304
Wormgear	Ductile Iron

DIMENSIONS

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
H±5	74	88	97	114	130	145	177	212	240	280	328	355	373	473
H1±5	131	138	156	168	184	197	238	270	309	338	390	407	485	565
H2	28	28	28	28	28	28	33	33	33	33	35	35	45	55
L±2	43	46	46	52	56	56	60	68	78	78	86	105	127	154
D	50	50	50	70	70	70	102	102	102	102	140	140	140	165
A	9	9	9	11	14	14	17	22	22	22	27	27	32	36
B	4-Ø8	4-Ø8	4-Ø8	4-Ø10	4-Ø10	4-Ø10	4-Ø12	4-Ø12	4-Ø12	4-Ø12	4-Ø18	4-Ø18	4-Ø18	4-Ø22
ISO5211	F05	F05	F05	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16

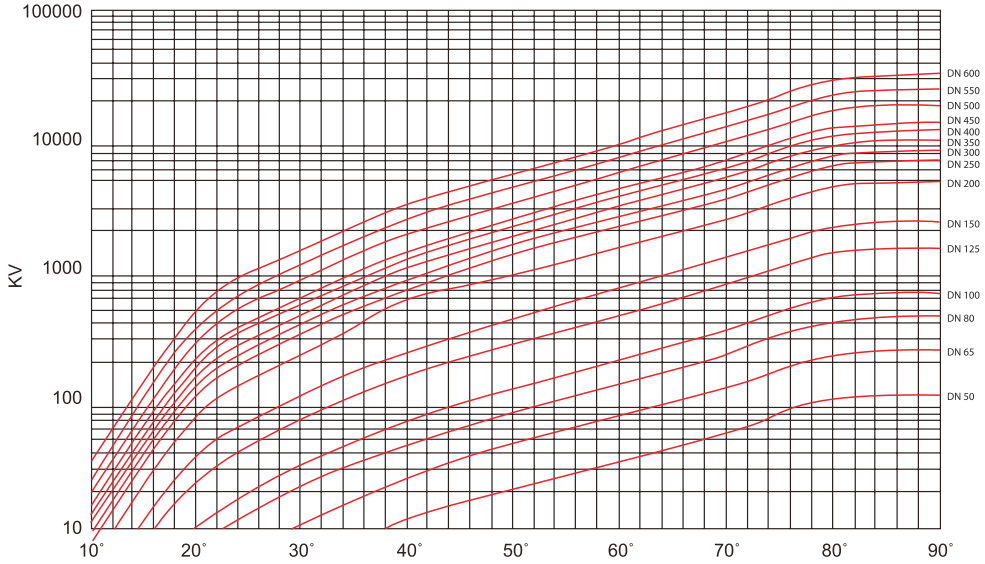
BUTTERFLY VALVE LUG TYPE

SS304 PN16 F1216-50
SS316 PN16 F1216-51

VALVE COEFFICIENT (FULL OPEN)

Cv = 1.17Kv

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	550	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	22	24
Cv	135	220	302	600	1022	1579	3136	5340	8250	11917	16388	21705	27908	35170	43116

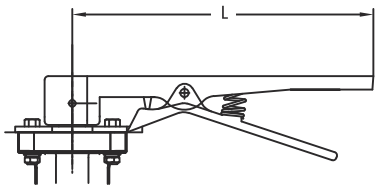


DIMENSIONS (VALVE OPERATOR)

Ductile Iron / Stainless Steel Lever
Stainless Steel SUS304 Top Indicator Plate

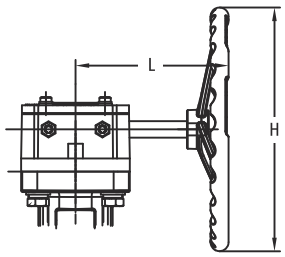
(mm)

DN (mm)	50-80	100-150	200
DN (inch)	2-3	4-6	8
L (Ductile Iron)	262	262	-
L (Stainless Steel 304)	160	190	350



Ductile Iron 1-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

DN (mm)	50-80	100-150	200	250	300	350	400-450	500-600
DN (inch)	2-3	4-6	8	10	12	14	16-18	20-24
L	160	190	220	260	270	270	320	370
H	147	147	217	217	267	285	325	325



BUTTERFLY VALVE DOUBLE FLANGED ENDS

SS304 PN16 F13C16-50
SS316 PN16 F13C16-51

FEATURES & SPECIFICATIONS

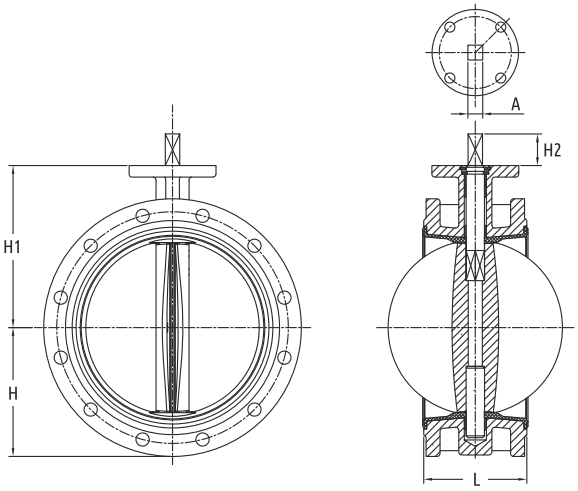
- Concentric double flange
- Design conforms to API609
- Higher strength for disc with pinned single shaft ensure optimal alignment
- Can be installed at horizontal or vertical pipe line
- Flange drilled to EN1092-2 PN16 / ANSI Class 150 / JIS10K / AS 2129 Table E (Specify on order)

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6 bar
Working Temperature	-10°C ... 100°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Disc	Stainless Steel 304 Stainless Steel 316
Stem	Stainless Steel 431
Seat	EPDM
Bushing	Polymer
O-ring	EPDM



DIMENSIONS

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
(inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
H	80	90	88	108	123	140	178	198	230	260	290	330	290	435
H1	130	140	157	165	180	200	212	280	310	325	370	392	431	505
H2	25	25	25	28	28	28	35	40	40	40	50	55	65	70
L	108	112	114	127	140	140	152	165	178	190	216	222	229	267
A	9^2	9^2	9^2	11^2	14^2	14^2	17^2	22^2	22^2	22^2	27^2	27^2	32^2	36^2

BUTTERFLY VALVE DOUBLE FLANGED ENDS

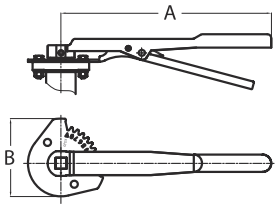
SS304 PN16 F13C16-50
SS316 PN16 F13C16-51

DIMENSIONS (VALVE OPERATOR)

Malleable Iron / Stainless Steel Lever
Stainless Steel SUS304 Top Indicator Plate

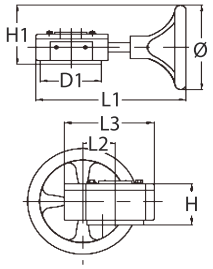
(mm)

DN (mm) (inch)	50-80 2-3	100-125 4-5	150 6	200 8
A	195	266	328	386
B	95	109	109	164



Cast Iron 1-Stage Worm Gear and Handwheel
Carbon Steel Gear Box Shaft

VALVE DIAMETER	D1	ø	H	H1	L1	L2	L3
DN50 - DN150	108	145	65	113	212	45	129
DN200 - DN250	146	285	70	182	305	62	171
DN300 - DN350	165	285	77	182	300	85	198
DN400 - DN450	234	385	103	247	423	120	280
DN500 - DN600	276	385	143	270	490	122	316



INSTALLATION & OPERATION GUIDE

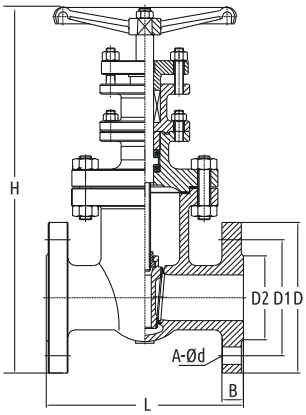
1. Ensure sufficient space for valves for easy installation, operation, maintenance and replacement.
2. Verify the valves are suitable for the operating condition such as medium, operating pressure / temperature, etc.
3. Check the I.D. of the flange and pipe to ensure free disc movement.
4. Valves shall be mounted on flanges only after the counter flanges have been welded to pipe and cooled down to the atmospheric temperature. Welding heat may damage the rubber seat of the valves. Never weld the flanges with valves installed. No gasket is required for installation of rubber seated butterfly valves.
5. Position the valves carefully between flanges. Accurate centering between flanges is essential to prevent any damages and problems during operation.
6. Valves should be installed by placing bolts through the hole and tightening carefully, ensuring even contact between the flange and seat. Too tight of space may cause damages to the seat and should be avoided.
7. Cross tighten all the bolts diagonally to distribute the loads evenly over the valves.
8. Turning the valves to ensure sufficient disc clearance.
9. Valves equipped with manual operators must be operated manually. Excessive external force on the operation of valve may damage the valve and / or operator.
10. Blind flange with short pipe should be used for dead end installation.

NRS METAL SEAT GATE VALVE FLANGED ENDS

SS304 PN16 F23M16-50
SS316 PN16 F23M16-51

FEATURES & SPECIFICATIONS

- Non-rising stem
- Inside screw
- Bolted bonnet
- Metal seat design
- Design conforms to ANSI B16.34a
- Face to face dimension to GB/T 12221
- Flange drilled to BS 4504 PN16 / EN 1092-2 PN16
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Water Supply Works, Water Treatment Plant, General Industries



PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar	25bar
Shell Test Pressure (x1.5)	24bar	37.5bar
Seat Test Pressure (x1.1)	17.6bar	27.5bar
Working Temperature	-20°C ... 150°C	
Suitable Media	Water, Oil & Gas	

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cover	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat Ring	Stainless Steel 304	EN 10088-3 1.4301

Part	Material	Specification
Stem Nut	Aluminium Bronze	EN 1982
Gasket	Graphite	
Nut	Carbon Steel	
Bolt	Stainless Steel 304	EN 10088-3 1.4301
Bearing	Carbon Steel	
Filler	Graphite	
Gland	Stainless Steel 304	EN 10088-3 1.4301
Handwheel	Malleable Cast Iron	

DIMENSIONS

(mm)

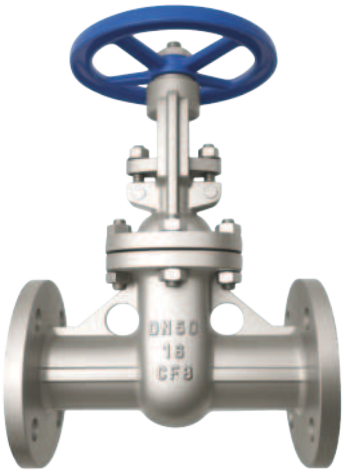
DN (mm)	50	65	80	100	125	150	200	250	300
(inch)	2	2½	3	4	5	6	8	10	12
L	250	265	280	300	325	350	400	450	500
H	327.5	417.5	420	500	535	582.5	625	907.5	950
D	165	185	200	220	250	285	340	405	460
D1	125	145	160	180	210	240	295	355	410
D2	99	118	132	156	184	210	266	318	370
A-Ød	4-18	8-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26
B	18	20	20	20	22	22	24	26	28

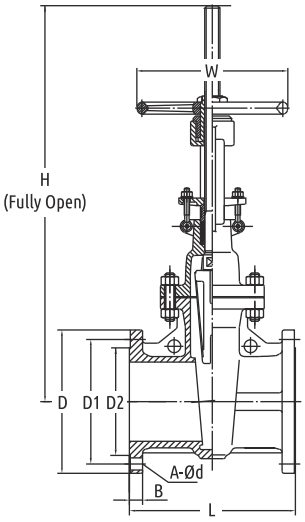
OS&Y METAL SEAT GATE VALVE FLANGED ENDS

SS304 PN16 F23MR16-50
SS316 PN16 F23MR16-51

FEATURES & SPECIFICATIONS

- Rising stem, Outside Screw & Yoke (OS&Y)
- Bolted bonnet
- Metal seat design
- Design conforms to ANSI B16.34a
- Face to face dimension to GB/T 12221-2005
  Flange drilled to BS 4504 PN16 / EN 1092-2 PN16 / ANSI Class 150
- (Specify on order)
  Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Water Supply Works, Water Treatment Plant, General Industries





PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-30°C ... 165°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 316	EN 10088-3 1.4401
Hexagon Nut	Stainless Steel 304	EN 10088-3 1.4301
Stud	Stainless Steel 304	EN 10088-3 1.4301

Part	Material	Specification
Gasket	Stainless Steel 304	EN 10088-3 1.4301
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Packing	PTFE	EN ISO 13000-1
Gland	Stainless Steel 304	EN 10088-3 1.4301
Stem Nut	Aluminium Bronze	EN 1982
Handle	Ductile Iron	EN 1563

DIMENSIONS

(mm)

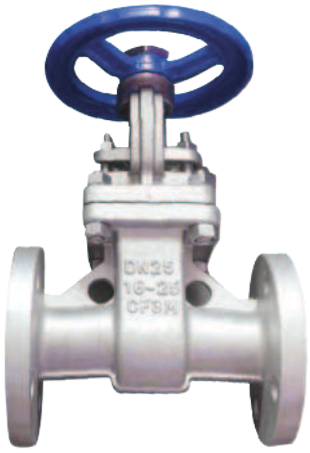
DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
DN (inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12
L	130	150	160	180	200	250	265	280	300	325	350	400	450	500
H	195	205	240	240	370	390	450	490	560	656	845	1041	1120	1310
D	95	105	115	135	150	165	185	200	220	250	285	340	405	460
D1	65	75	85	100	110	125	145	160	180	210	240	295	355	410
D2	46	56	65	76	84	99	118	132	156	184	210	266	318	370
W	140	140	140	180	200	200	220	240	260	300	350	350	400	450
A-Ød	4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-18	8-22	12-22	12-26	12-28
B	16	16	18	18	18	18	18	20	20	22	22	24	26	28

OS&Y METAL SEAT GATE VALVE FLANGED ENDS

SS304 PN25 F23MR25-50
SS316 PN25 F23MR25-51

FEATURES & SPECIFICATIONS

- Rising stem, Outside Screw & Yoke (OS&Y)
- Bolted bonnet
- Metal seat design
- Flange drilled to BS 4504 PN25 / EN1092-2 PN25 / ANSI Class 150 (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Water Supply Works, Water Treatment Plant, General Industries

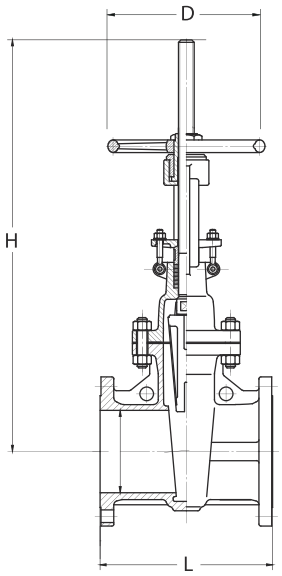


PRESSURE & TEMPERATURE RATINGS

Working Pressure	25bar
Shell Test Pressure (x1.5)	37.5bar
Seat Test Pressure (x1.1)	27.5bar
Working Temperature	-29°C ... 425°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304	EN 10088-3 1.4301
	Stainless Steel 316	EN 10088-3 1.4401
Disc	Stainless Steel 304	EN 10088-3 1.4301
	Stainless Steel 316	EN 10088-3 1.4401
Stem	Stainless Steel 304	EN 10088-3 1.4301
	Stainless Steel 316	EN 10088-3 1.4401
Bonnet	Stainless Steel 304	EN 10088-3 1.4301
	Stainless Steel 316	EN 10088-3 1.4401
Gasket	Stainless Steel 316+Graphite	EN 10088-3 1.4401
Nut	Stainless Steel	
Handwheel	Malleable Iron	
Packing	Graphite	



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200
(inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8
L	130	150	160	180	200	250	265	280	300	325	350	400
H	185	210	230	302	330	360	435	515	545	695	780	935
D	120	140	160	180	200	240	240	280	300	320	360	400

OS&Y S-PATTERN GLOBE VALVE FLANGED ENDS

SS304 PN16 F33S16-50
SS316 PN16 F33S16-51

FEATURES & SPECIFICATIONS

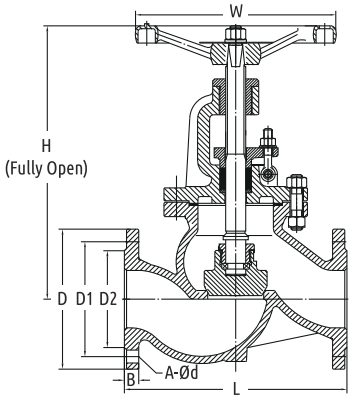
- Rising stem, Outside Screw & Yoke (OS&Y)
- Bolted bonnet
- S-pattern body construction design
- Design conforms to GB/T 12224-2005
- Face to face dimension to GB/T 12221-2005
- Flange drilled to EN 1092-2 PN16 / ANSI Class 150 (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Water Supply Works, Water Treatment Plant, General Industries.

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-25°C ... 150°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Gasket	Stainless Steel 304	EN 10088-3 1.4301
Bolt	Stainless Steel 304	EN 10088-3 1.4301
Bonnet	Stainless Steel 304	EN 10088-3 1.4301
Packing	PTFE	EN ISO 13000-1
Gland	Stainless Steel 304	EN 10088-3 1.4301
Nut	Aluminium Bronze	EN 1982
Handwheel	Ductile Iron	EN 1563



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200
(inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8
L	130	150	160	190	200	230	290	310	350	400	480	600
H	200	200	232	265	280	315	380	410	500	584	667	710
D	95	105	115	140	150	165	185	200	220	250	285	340
D1	65	75	85	100	110	125	145	160	180	210	240	295
D2	46	56	65	76	84	99	118	132	156	184	211	266
W	140	140	140	160	160	200	200	250	250	300	350	350
A-Ød	4-14	4-14	4-14	4-19	4-19	4-19	8-19	8-19	8-19	8-19	8-23	12-23
B	14	16	16	18	19	19	19	19	19	19	19	20

1-PIECE BODY BALL VALVE FLANGED ENDS

SS304 PN16 F43O16-50
SS316 PN16 F43O16-51

FEATURES & SPECIFICATIONS

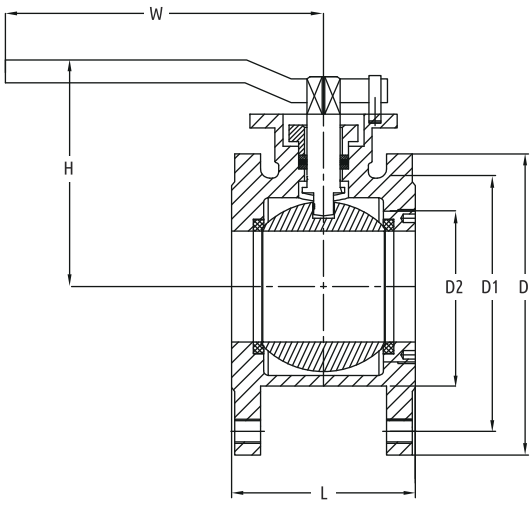
- Design conforms to GB/T 12224
- Face to face dimension to GB/T 12221-2005
- Oil-free processing treatment option available
- Flange drilled to EN 1092-2 PN16 / ANSI Class 150 (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	0°C ... 100°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cover	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat	PTFE	EN ISO 13000-1
Packing	PTFE	EN ISO 13000-1
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Handle	Stainless Steel 201	EN 10088-2 1.4372



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50	65	80	100
DN (inch)	½	¾	1	1¼	1½	2	2½	3	4
L	35	38	45	55	62	72	95	120	140
H	100	105	115	125	150	160	165	170	305
D	96	105	113	135	145	155	180	195	215
D1	65	75	85	100	110	125	145	160	180
D2	45	55	65	78	85	100	120	135	155
W	130	140	150	160	185	190	220	240	255

2-PIECE BODY BALL VALVE FLANGED ENDS

SS304 PN16 F43D16-50
SS316 PN16 F43D16-51

FEATURES & SPECIFICATIONS

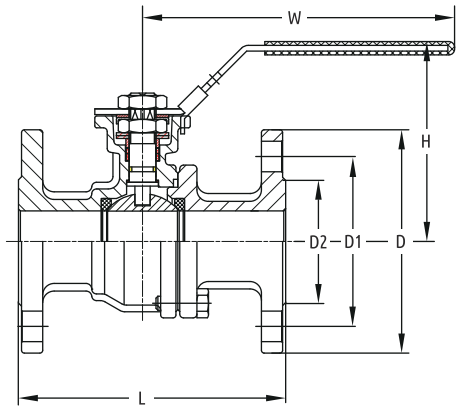
- 2 piece body full port design
- Design conforms to GB/T 12224
- Face to face dimension to GB/T 12221-2005
- Oil-free processing treatment option available
- Flange drilled to EN 1092-2 PN16
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	0°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cover	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seal Ring	PTFE	EN ISO 13000-1
Gasket	PTFE	EN ISO 13000-1
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Packing	PTFE	EN ISO 13000-1
Gland	Stainless Steel 304	EN 10088-3 1.4301
Spring	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

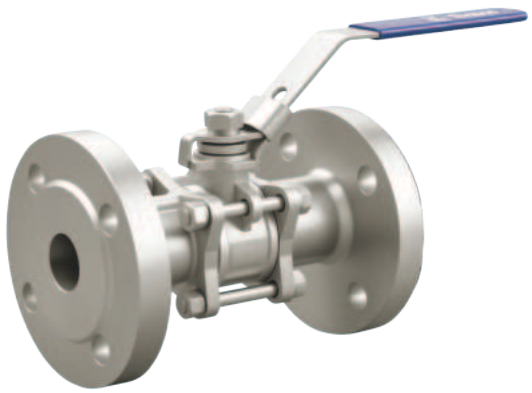
DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200
DN (inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8
L	130	130	140	165	165	203	222	241	305	356	394	457
H	90	95	100	103	125	137	170	185	205	255	300	340
D	95	105	115	140	150	165	185	200	220	250	285	340
D1	65	75	85	100	110	125	145	160	180	210	240	295
D2	45	55	65	78	85	100	120	135	155	185	210	265
W	185	185	185	185	235	235	244	295	295	600	800	800

3-PIECE BODY BALL VALVE FLANGED ENDS

SS304 PN16 F43T16-50
SS316 PN16 F43T16-51

FEATURES & SPECIFICATIONS

- 3 piece body full port design
- Design conforms to GB/T 12237
- Face to face dimension to GB/T 12221
- Flange drilled to EN 1092-2 PN16
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

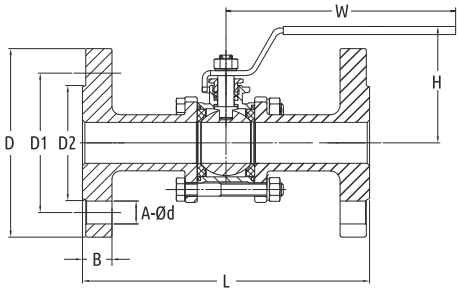


PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-25°C ... 150°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seal Ring	PTFE	EN ISO 13000-1
Bolt	Stainless Steel 304	EN 10088-3 1.4301
Nut	Stainless Steel 304	EN 10088-3 1.4301
Spring Washer	Stainless Steel 304	EN 10088-3 1.4301
Stem Washer	PTFE	EN ISO 13000-1
Packing	PTFE	EN ISO 13000-1
Gland	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50	65	80	100	125	150
DN (inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6
L	123	147	155	167	191	225	290	300	340	360	400
H	83	90	93	98	117	128	147	157	185	180	240
D	94	103	115	133	142	160	180	192	214	250	285
D1	65	75	85	100	110	125	145	160	180	210	240
D2	45	58	68	78	85	100	120	135	150	188	212
W	135	155	155	165	190	200	235	235	295	400	580
A-Ød	4x14	4x14	4x14	4x18	4x18	4x18	4x18	8x18	8x18	8-18	8-22
B	14	14	13	15	15	16	17	18	18	22	22

DOUBLE DOOR CHECK VALVE WAFER TYPE

SS304 PN16 / PN25 F51DD16-50 / F51DD25-50
SS316 PN16 / PN25 F51DD16-51 / F51DD25-51

FEATURES & SPECIFICATIONS

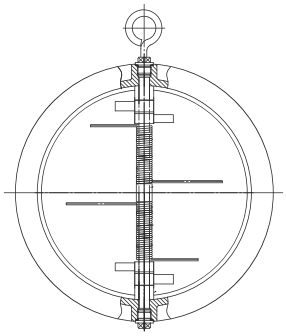
- Spring loaded double door
- Rubber seat for non-slam effect
- Oil-free processing treatment option available
- Wafer connection to BS 4504 PN16 / EN 1092-2 PN16 / BS 4504 PN25 / EN 1092-2 PN25 / ANSI Class 150 (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Sewerage & Water Treatment, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar	25bar
Shell Test Pressure (x1.5)	24bar	37.5bar
Seat Test Pressure (x1.1)	17.6bar	27.5bar
Working Temperature	-20°C ... 120°C	
Suitable Media	Water, Oil & Gas	

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	BS970 304C15 BS970 316C16
Disc	Stainless Steel 304 Stainless Steel 316	BS970 304C15 BS970 316C16
Stem	Stainless Steel 304 Stainless Steel 316	BS970 304C15 BS970 316C16
Spring	Stainless Steel 304 Stainless Steel 316	BS970 304C15 BS970 316C16
Shim	PTFE	EN ISO 13000-1
Gasket	PTFE	EN ISO 13000-1
Spool	Stainless Steel 304	BS970 304S15



DIMENSIONS (PN16)

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
L	43	46	64	64	70	76	89	114	114	127	140	152	152	178
D	107	127	142	160	192	218	273	328	384	444	495	555	615	734

DIMENSIONS (PN25)

(mm)

DN (mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
DN (inch)	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
L	60	67	73	73	86	98	127	146	181	184	191	203	219	222
D	108	128	142	168	194	224	284	341	401	458	515	565	622	732

SWING CHECK VALVE FLANGED ENDS

SS304 PN16 F53S16-50
SS316 PN16 F53S16-51

FEATURES & SPECIFICATIONS

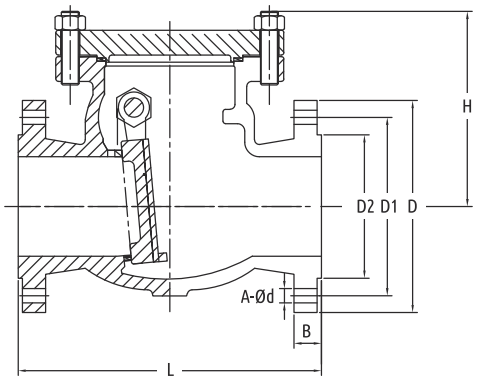
- Bolted bonnet
- Design conforms to ANSI B16.34
- Face to face dimension to GB/T 12221-2005
- Flange drilled to BS 4504 PN16 / EN 1092-2 PN16 / ANSI Class 150 (Specify on order)
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 165°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cover	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304	EN 10088-3 1.4301
Gasket	PTFE	EN ISO 13000-1
Nut	Stainless Steel 304	EN 10088-3 1.4301
Bolt	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	25	32	40	50	65	80	100	125	150	200	250	300
DN (inch)	1	1¼	1½	2	2½	3	4	5	6	8	10	12
L	160	180	200	230	290	310	350	400	480	550	650	750
H	64	68	75	97	111	120	162	179	205	320	370	420
D	115	140	150	165	185	200	220	250	285	340	405	460
D1	85	100	110	125	145	160	180	210	240	295	355	410
D2	65	76	84	99	118	132	156	184	211	266	318	375
A-Ød	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26
B	18	18	18	18	20	20	20	22	22	24	26	28

VARIABLE ORIFICE DOUBLE REGULATING VALVE

SS304 PN16 F63V16-50
SS316 PN16 F63V16-51

FEATURES & SPECIFICATIONS

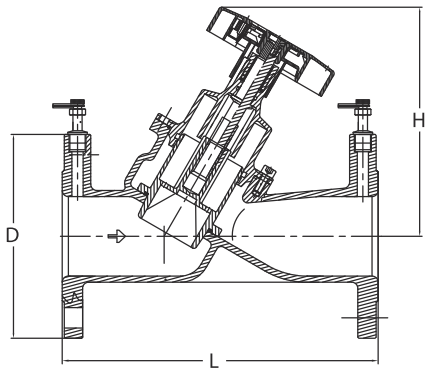
- Variable orifice single unit Y-pattern globe valves
- Fitted with a pair of measuring plugs
- Microset handwheel and presetting scale is readable from all directions
- Regulating and isolating functions
- Setting can be locked with allen key
- Flange drilled to BS 4504 PN16 / EN 1092-2 PN16 / ANSI Class 150 (Specify on order)
- Applicable for hydronic balancing of heating and cooling systems

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	0°C ... 80°C
Suitable Media	Water

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Measurement Connector	Brass	
Sealing Ring	NBR	Commercial
Stem	Brass	
Screw	Stainless Steel 304	EN 10088-3 1.4301
Nut	Brass	
O-ring	NBR	Commercial
Cover	Stainless Steel 304	EN 10088-3 1.4301
Gasket	Brass	
Screw Plug	Brass	
Handwheel	Nylon (DN50...DN200) Aluminium (DN200 and above)	



DIMENSIONS

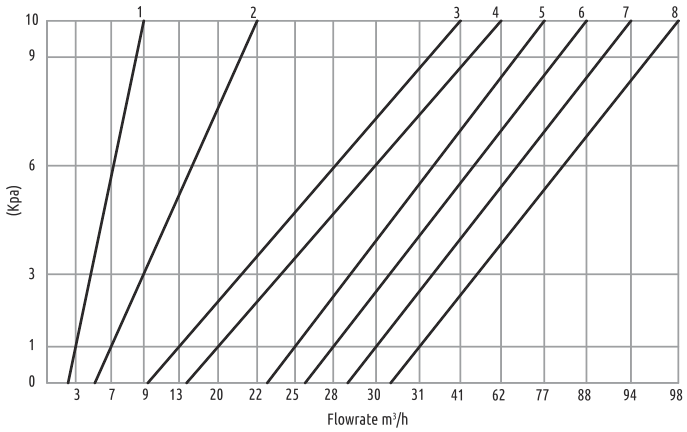
(mm)

DN (mm)	50	65	80	100	125	150	200	250
DN (inch)	2	2½	3	4	5	6	8	10
L	230	290	310	350	400	480	600	730
H	265	285	325	355	410	480	615	740
D	165	185	200	220	250	285	340	405

VARIABLE ORIFICE DOUBLE REGULATING VALVE

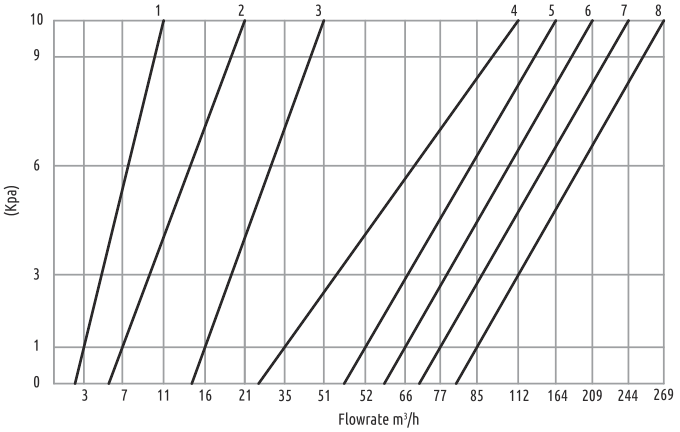
SS304 PN16 F63V16-50
SS316 PN16 F63V16-51

Size 2" (DN 50)
Handwheel Setting (Number of turns)



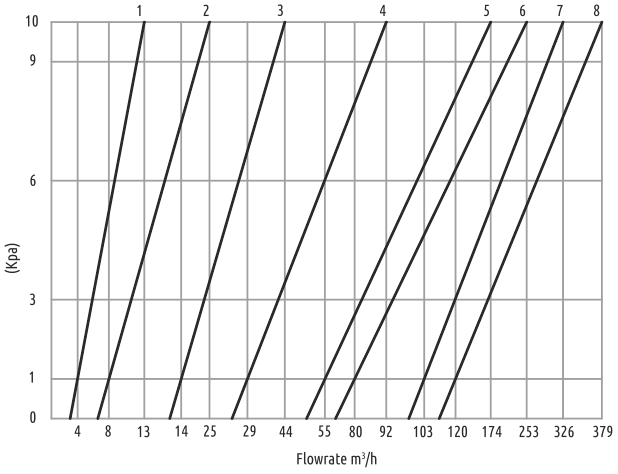
Handwheel Position	1	2	3	4
Kv Value	2.8	7.0	13.0	19.5
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	24.5	27.8	29.8	31.0

Size 2½" (DN 65)
Handwheel Setting (Number of turns)



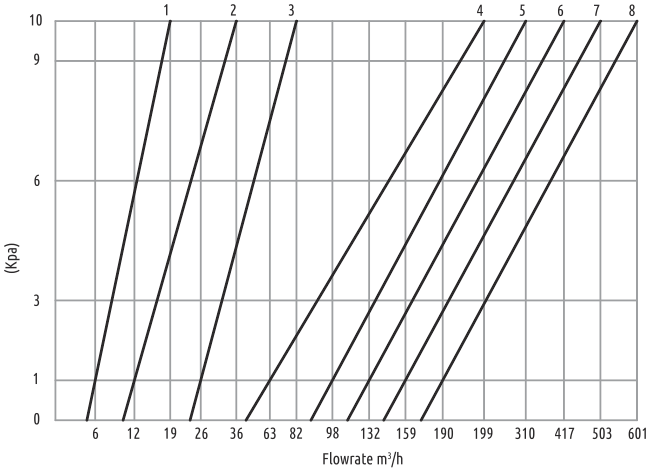
Handwheel Position	1	2	3	4
Kv Value	3.4	6.6	16.3	35.4
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	52.0	66.0	77.0	85.0

Size 3" (DN 80)
Handwheel Setting (Number of turns)



Handwheel Position	1	2	3	4
Kv Value	4.0	8.0	14.0	29.0
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	55.0	80.0	103.0	120.0

Size 4" (DN 100)
Handwheel Setting (Number of turns)

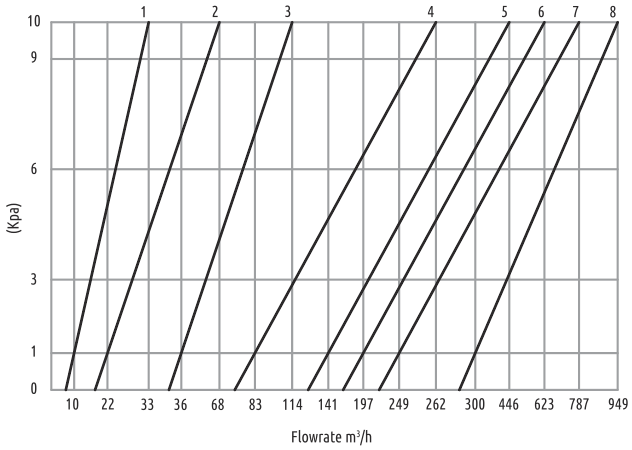


Handwheel Position	1	2	3	4
Kv Value	6.0	11.5	26.0	63.0
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	98.0	132.0	159.0	190.0

VARIABLE ORIFICE DOUBLE REGULATING VALVE

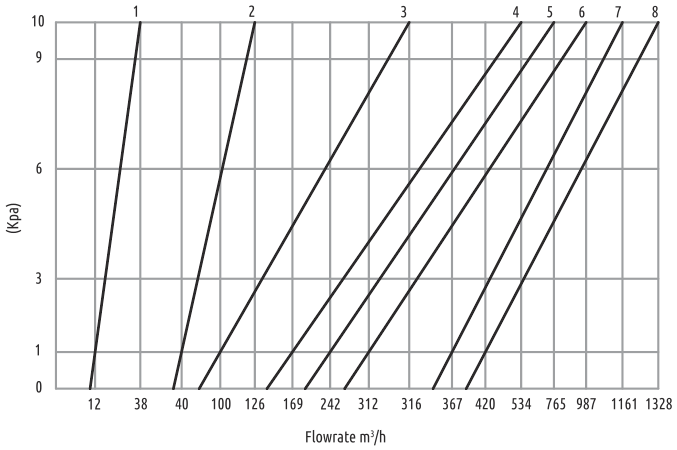
SS304 PN16 F63V16-50
SS316 PN16 F63V16-51

Size 5" (DN 125)
Handwheel Setting (Number of turns)



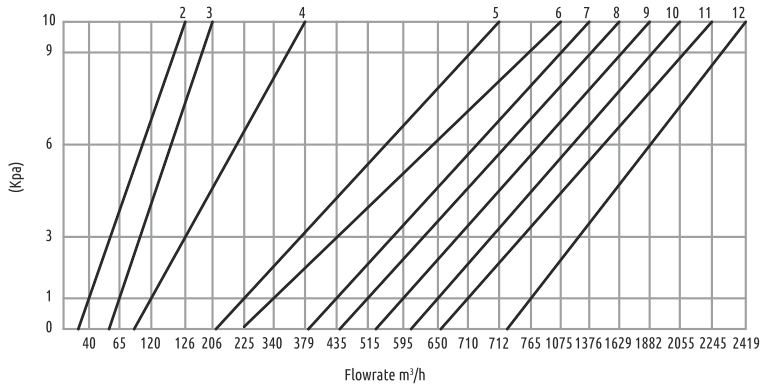
Handwheel Position	1	2	3	4
Kv Value	10.4	21.5	36.0	83.0
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	141.0	197.0	249.0	300.0

Size 6" (DN 150)
Handwheel Setting (Number of turns)



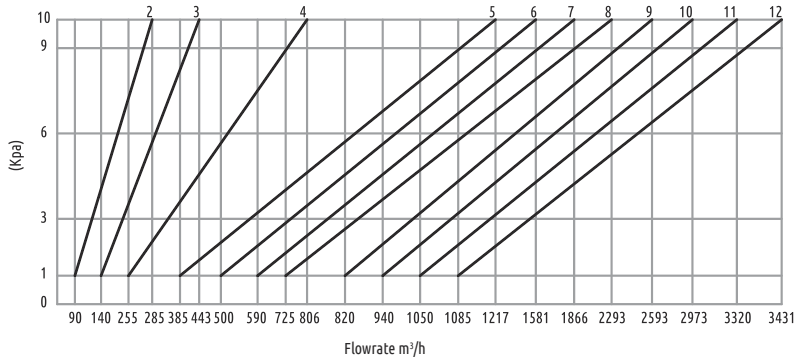
Handwheel Position	1	2	3	4
Kv Value	12.0	40.0	100.0	169.0
Handwheel Position	**5**	**6**	**7**	**Fully Open**
Kv Value	242.0	312.0	367.0	420.0

Size 8" (DN 200)
Handwheel Setting (Number of turns)



Handwheel Position	1	2	3	4	5	6	7	8	9	10	11	Fully Open
Kv Value	-	40.0	65.0	120.0	225.0	340.0	435.0	515.0	595.0	650.0	710.0	765.0

Size 10" (DN 250)
Handwheel Setting (Number of turns)



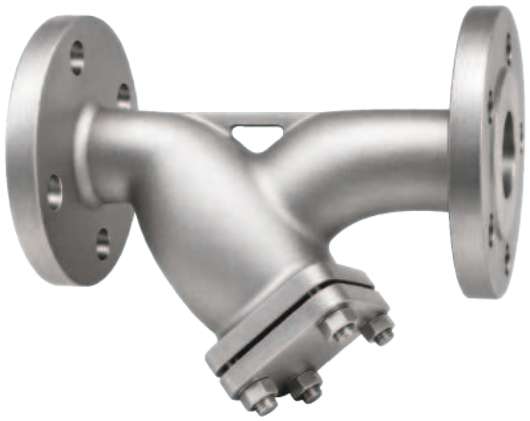
Handwheel Position	1	2	3	4	5	6	7	8	9	10	11	Fully Open
Kv Value	-	90.0	140.0	255.0	385.0	500.0	590.0	725.0	820.0	940.0	1050.0	1185.0

Y-TYPE STRAINER FLANGED ENDS

SS304 PN16 F73Y16-50
SS316 PN16 F73Y16-51

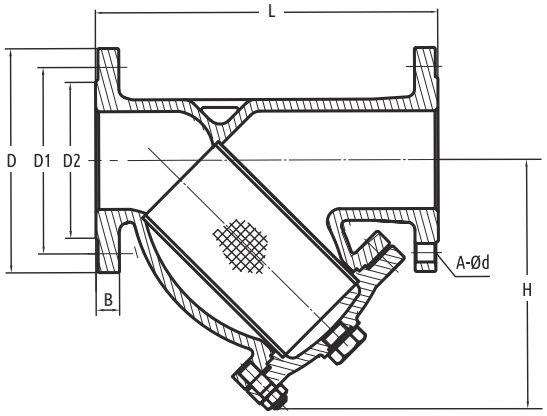
FEATURES & SPECIFICATIONS

- Filter the particles and debris that may be carried by process fluid in the pipeline
- Bolted cover with drain plug
- Stainless steel perforated screen
- Design conforms to GB/T 12224-2005
- Face to face dimension to GB/T 12221-2005
- Oil-free processing treatment option available
- Flange drilled to BS 4504 PN16 / EN 1092-2 PN16 / ANSI CLASS 150 (Specify on order)
- Applicable for Building Services, Air Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, Sewerage & Water Treatment, General Industries



PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 160°C
Suitable Media	Water, Oil & Gas



MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Screen	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Plug	Stainless Steel 304	EN 10088-3 1.4301
Nut	Stainless Steel 304	EN 10088-3 1.4301
Bolt	Stainless Steel 304	EN 10088-3 1.4301
Gasket	PTFE	EN ISO 13000-1

SCREENS DATA

DN(mm)	Mesh	Hole Dia.
15 ... 200	40	380 micron

DIMENSIONS

(mm)

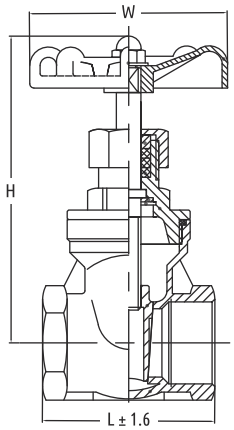
DN (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
DN (inch)	½	¾	1	1¼	1½	2	2½	3	4	5	6	8	10	12
L	130	140	155	180	200	220	250	280	320	350	380	470	570	625
H	75	80	105	115	130	145	170	195	215	260	290	360	410	495
D	95	105	115	140	150	165	185	200	220	250	285	340	405	460
D1	65	75	85	100	110	125	145	160	180	210	240	295	355	410
D2	46	56	65	76	84	99	118	132	156	184	211	266	319	370
A-Ød	4-14	4-14	4-14	4-18	4-18	4-18	8-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26
B	14	16	18	18	18	18	20	20	20	22	22	24	26	28
Hole plug dia.	N/A	N/A	N/A	N/A	M14	M14	M16	M18	M18	M18	M18	M18	M20	M22

NRS GATE VALVE THREADED ENDS

SS304 200PSI F2S200-50
SS316 200PSI F2S200-51

FEATURES & SPECIFICATIONS

- Threaded bonnet
- Solid wedge disc
- Non-rising stem
- Integral seat
- Full bore design
- Oil-free processing treatment option available
- Threaded to BS21 / ANSI B2.1 / DIN 259 / DIN 2999
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries



PRESSURE & TEMPERATURE RATINGS

Working Pressure	200psi WOG Non-Shock
Shell Test Pressure	x1.5 times
Seat Test Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seal	PTFE	EN ISO 13000-1
Gland	Stainless Steel 304	EN 10088-3 1.4301
Nut	Stainless Steel 304	EN 10088-3 1.4301

Part	Material	Specification
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Thrust Gasket	PTFE	EN ISO 13000-1
Packing	PTFE	EN ISO 13000-1
Pad	Stainless Steel 304	EN 10088-3 1.4301
Jump Ring	Stainless Steel 304	EN 10088-3 1.4301
Handwheel	Cast Iron	HT200

DIMENSIONS

(mm)

DN	(mm) (inch)	15 ½	20 ¾	25 1	32 1¼	40 1½	50 2	65 2½	80 3	100 4
	L	52	57	61	70	73	84	104	117	127
	H	89	95	107	123	130	150	208	226	239
	W	63	63	63	77	98	98	125	125	140

RISING STEM GLOBE VALVE THREADED ENDS

SS304 200PSI F3S200R-50
SS316 200PSI F3S200R-51

FEATURES & SPECIFICATIONS

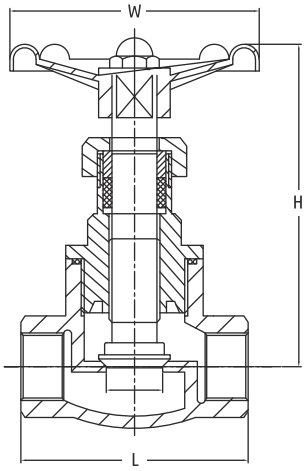
- Threaded bonnet
- Swivel disc
- Rising stem
- Full bore design
- Oil-free processing treatment option available
- Threaded to ANSI B2.1 / BS21 / DIN 259 / DIN 2999
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	200psi WOG Non-Shock
Shell Test Pressure	x1.5 times
Seat Test Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cap	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seal	PTFE	
Gasket	Stainless Steel 304	EN 10088-3 1.4301
Packing	PTFE	
Gland	Stainless Steel 304	EN 10088-3 1.4301
Nut	Stainless Steel 304	EN 10088-3 1.4301
Spring Washer	Stainless Steel 304	EN 10088-3 1.4301
Handwheel	Cast Iron	



DIMENSIONS

(mm)

DN	(mm)	8	10	15	20	25	32	40	50
	(inch)	¼	⅜	½	¾	1	1¼	1½	2
	L	55	55	67	75	85	101	115	136
	H	79	79	79	91	106	125	136	146
	W	65	65	65	77	77	97	97	97

1-PIECE BODY BALL VALVE THREADED ENDS

SS304 F4S250O-50
SS316 F4S250O-51

FEATURES & SPECIFICATIONS

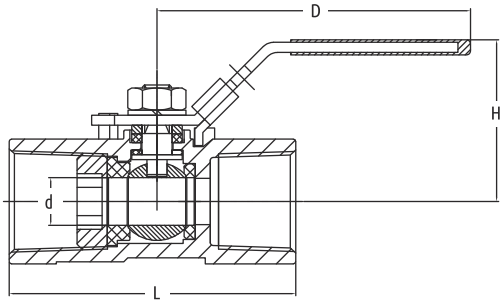
- One-piece body
- 90° quarter turn
- Bi-direction zero-leakage
- Reduced bore design
- Blow-out proof stem
- Design conforms to ASME B16.34
- Threaded to EN 10226-1 (ISO 7) / ASME B1.20.1
- Optional specifications : Locking device, Mounting pad, Oil-free processing treatment (specify on order)
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	250psi
Shell Testing Pressure	x1.5 times
Seat Testing Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cap	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat	PTFE	
Thrust Washer	PTFE	
Packing	PTFE	
Nut	Stainless Steel 304	EN 10088-3 1.4301
Handle	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	8	10	15	20	25	32	40	50
DN (inch)	¼	⅜	½	¾	1	1¼	1½	2
L	40	45	56	59	71	76	84	99
H	32	33	42	45	48	58	67	74
D	68	68	95	95	95	106	128	130
d	5	7	9.5	12.5	15	20	25	32

PRODUCT IDENTIFICATION CODE

CODE	F4		S		250		O		-50	
	F4	Ball Valve	S	Stainless Steel	250	250psi	O	One piece body	50	Stainless Steel 304
							D	Two piece body	51	Stainless Steel 316
							T	Three piece body		

2-PIECE BODY BALL VALVE THREADED ENDS

SS304 F4S250D-50
SS316 F4S250D-51

FEATURES & SPECIFICATIONS

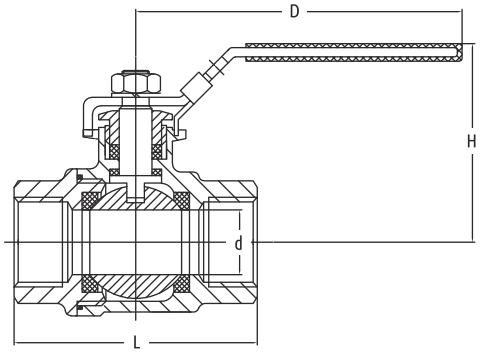
- Two-piece body
- 90° quarter turn
- Bi-direction zero-leakage
- Reduced bore design
- Blow-out proof stem
- Design conforms to ASME B16.34
- Threaded to EN 10226-1 (ISO 7) / ASME B1.20.1
- Optional specifications : Locking device, Mounting pad, Oil-free processing treatment (specify on order)
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	250psi
Shell Testing Pressure	x1.5 times
Seat Testing Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cap	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Stem	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat	PTFE	
Thrust Washer	PTFE	
Packing	PTFE	
Gasket	PTFE	
Nut	Stainless Steel 304	EN 10088-3 1.4301
Handle	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	10	15	20	25	32	40	50	65	80	100
DN (inch)	⅜	½	¾	1	1¼	1½	2	2½	3	4
L	50	53	65	73	85	94	112	147	173	222
H	49	51	58	73	79	85	95	126	138	158
D	106	104	116	148	148	182	182	252	252	283
d	12.5	15	20	25	32	38	50	65	76	94

3-PIECE BODY BALL VALVE THREADED ENDS

SS304 F4S250T-50
SS316 F4S250T-51

FEATURES & SPECIFICATIONS

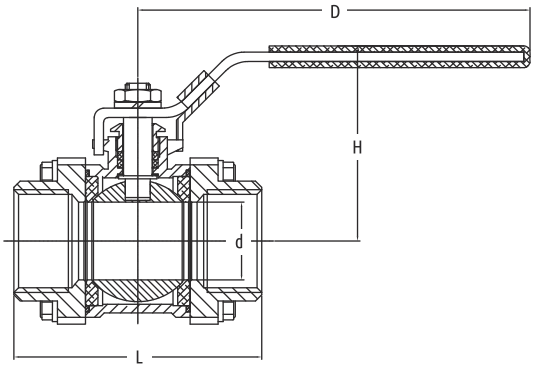
- Three-piece body
- 90° quarter turn
- Bi-direction zero-leakage
- Reduced bore design
- Threaded body cap
- Blow-out proof stem
- Threaded to EN 10226-1 (ISO 7) / ASME B1.20.1
- Optional specifications : Locking device, Mounting pad, Oil-free processing treatment (specify on order)
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	250psi
Shell Testing Pressure	x1.5 times
Seat Testing Pressure	x1.1 times
Working Temperature	-25°C ... 150°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Ball	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seat	PTFE	
Packing	PTFE	
Washer	PTFE	
Gasket	PTFE	
Nut	Stainless Steel 304	EN 10088-3 1.4301
Handle	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	10	15	20	25	32	40	50	65	80	100
DN (inch)	⅜	½	¾	1	1¼	1½	2	2½	3	4
L	51	63	71	80	94	103	126	158	179	213
H	44.5	50	59	61	79	83	94	135	144	149
D	103	103	127	127	154	154	195	244	244	285
d	12.5	15	20	25	32	38	50	65	76	94

PRODUCT IDENTIFICATION CODE

CODE	F4	S	250	T	-50
	F4 Ball Valve	**S** Stainless Steel	**250** 250psi	**O** One piece body	**50** Stainless Steel 304
				D Two piece body	**51** Stainless Steel 316
				T Three piece body	

SWING CHECK VALVE THREADED ENDS

SS304 200PSI F5S200S-50
SS316 200PSI F5S200S-51

FEATURES & SPECIFICATIONS

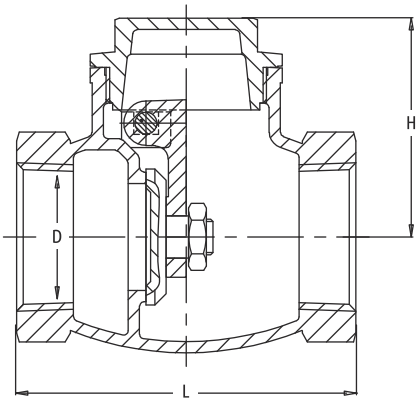
- Swing disc
- Integral seat
- Threaded cap
- Oil-free processing treatment option available
- Threaded to BS21 (ISO7) / ANSI B2.1 / DIN 259 / DIN 2999
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	200psi WOG Non-Shock
Shell Testing Pressure	x1.5 times
Seat Testing Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Disc	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Pipe Plug	Stainless Steel 304	EN 10088-3 1.4301
Plug Gasket	Stainless Steel 304	EN 10088-3 1.4401
Gasket	PTFE	
Cap	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Seal	PTFE	



DIMENSIONS

(mm)

DN (mm)	8	10	15	20	25	32	40	50
DN (inch)	¼	⅜	½	¾	1	1¼	1½	2
L	65	65	65	80	90	105	120	140
H	42	42	42	50	58	62	76	81
D	10	12	15	20	25	32	40	50

LIFT CHECK VALVE THREADED ENDS

SS304 F5S63L-50
SS316 F5S63L-51

FEATURES & SPECIFICATIONS

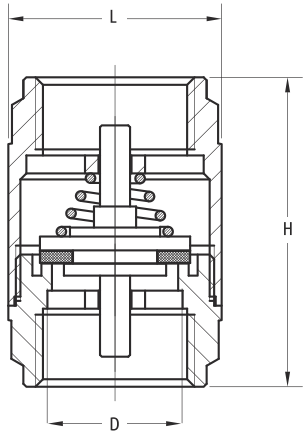
- Swing disc
- Integral seat
- Threaded cap
- Oil-free processing treatment option available
- Threaded to BS 21 (ISO7) / ANSI B2.1 / DIN 259 / DIN 2999
- Applicable for Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	1000psi WOG Non-Shock
Shell Testing Pressure	x1.5 times
Seat Testing Pressure	x1.1 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Cover	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Plug	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Washer	PTFE	
Spring	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401



DIMENSIONS

(mm)

DN (mm)	8	10	15	20	25	32	40	50	65	80	100
DN (inch)	¼	⅜	½	¾	1	1¼	1½	2	2½	3	4
L	32	32	38.5	43.5	49.5	59.5	71.5	83.5	104	121.5	151.5
H	53	53	56	63	74	81	91	97	118	138	158
D	8	10	15	20	25	30	38	47	61	75	94

PRESSURE REDUCING VALVE THREADED ENDS

SS304 PN16 F6S16-50
SS316 PN16 F6S16-51

FEATURES & SPECIFICATIONS

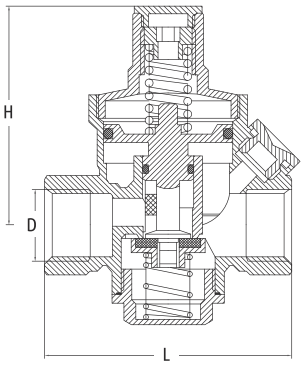
- Automatic reduces the higher inlet pressure to a steady lower downstream pressure, regardless of fluctuating demand or varying upstream pressure
- Ensures consistent and reliable pressure supply for valve actuation
- Stainless steel material with excellent corrosion resistance
- Threaded to EN 10226-1 (ISO 7)
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Spring	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Gasket	PTFE	
Seat	Stainless Steel 304+PTFE	EN 10088-3 1.4301
Piston	Stainless Steel 304	EN 10088-3 1.4301
O-ring	FKM / EPDM	
Tectum	Stainless Steel 304	EN 10088-3 1.4301



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50	65
DN (inch)	½	¾	1	1¼	1½	2	2½
L	69.5	73.5	82	83	98.5	121	124
H	91	97.5	117	129.5	157.5	178	187
D	½"	¾"	1"	1¼"	1½"	2"	2½"

Y-TYPE STRAINER THREADED ENDS

SS304 800PSI F7S800-50
SS316 800PSI F7S800-51

FEATURES & SPECIFICATIONS

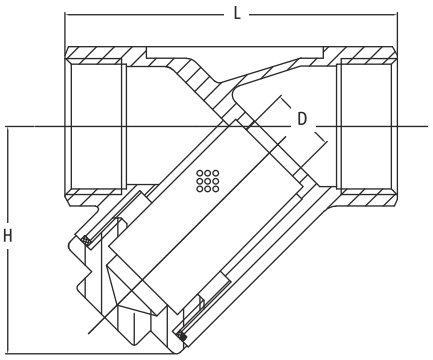
- Y-Pattern body
- Threaded cap
- Stainless steel mesh
- Oil-free processing treatment option available
- Threaded to BS 21 (ISO 7) / ANSI B2.1 / DIN 259 / DIN 2999
- Applicable for Building Services, Air-Conditioning, Fire Protection, Cold Water Plumbing, Hot Water System, General Industries

PRESSURE & TEMPERATURE RATINGS

Working Pressure	800psi WOG Non-Shock
Testing Pressure	x1.5 times
Working Temperature	-25°C ... 180°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Screen	Stainless Steel 316	EN 10088-3 1.4401
Gasket	PTFE	



SCREENS DATA

DN(mm)	Hole Dia. (mm)	Hole / inch²
8 ... 100	2	1

DIMENSIONS

(mm)

DN	(mm) (inch)	8 ¼	10 ⅜	15 ½	20 ¾	25 1	32 1¼	40 1½	50 2
	L	64	64	64	80	90	106	119	140
	H	43	43	43	50	65	69	79	92
	D	10	12	15	20	25	32	40	50

AIR RELEASE VALVE THREADED ENDS

SS304 PN10 F9S10-50
SS316 PN10 F9S10-51

FEATURES & SPECIFICATIONS

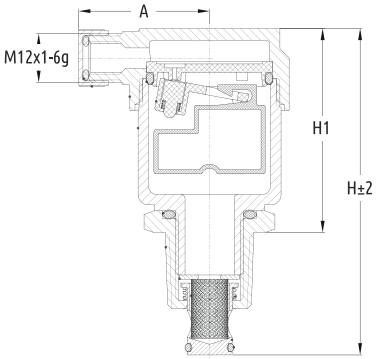
- Stainless steel material with excellent corrosion resistance
- Comply with DIN 3848-1981
- Oil-free processing treatment option available
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	10bar
Shell Test Pressure (x1.5)	15bar
Working Temperature	-9°C ... 80°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material	Specification
Body	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Spring	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Bonnet	Stainless Steel 304 Stainless Steel 316	EN 10088-3 1.4301 EN 10088-3 1.4401
Plug	Stainless Steel 304	EN 10088-3 1.4301
Adapter	Stainless Steel 304	EN 10088-3 1.4301
O-ring	NBR / EPDM	



DIMENSIONS

(mm)

DN (mm) / (inch)	15 / ½	20 / ¾	25 / 1
H	80	80	80
H1	52	52	52
A	32	32	32

SANITARY CLAMP BUTTERFLY VALVE

SS304 PN10 F1810-50
SS316 PN10 F1810-51

FEATURES & SPECIFICATIONS

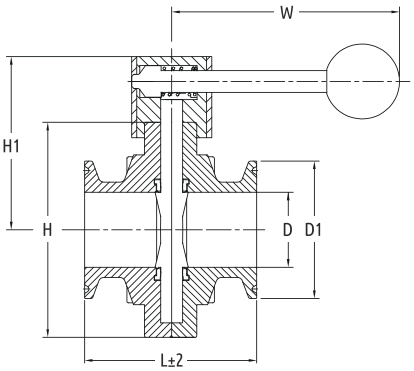
- Hygienic clamp end connection
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- End connection comply with ISO 2852 sanitary standard
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	10bar
Shell Test Pressure (x1.5)	15bar
Seat Test Pressure (x1.1)	11bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Disc	Stainless Steel 304
	Stainless Steel 316
Sealing Ring	EPDM / PTFE
Bolt & Nut	Stainless Steel 304
Handle	Stainless Steel 304



DIMENSIONS

(mm)

DN (mm) (inch)	Ø51	Ø57	Ø63	Ø76	Ø89	Ø102	Ø108	Ø114	Ø133	Ø140	Ø152	Ø159	Ø203	Ø219
L	70	76	76	76	80	84	84	86	100	100	110	110	110	110
H	93	100	110	124	139	155	155	159	185	185	214	214	280	280
H1	77	82	85	92	100	107	107	112	128	128	143	143	193	193
W	130	130	130	160	160	160	160	160	180	180	180	180	300	300
D	48	53	59	72	85	98	104	110	127	155	167	183	198	213
D1	64	78	78	91	106	119	119	130	145	136	155	153	217	233

SANITARY BUTT WELD BUTTERFLY VALVE

SS304 PN10 F1910-50
SS316 PN10 F1910-51

FEATURES & SPECIFICATIONS

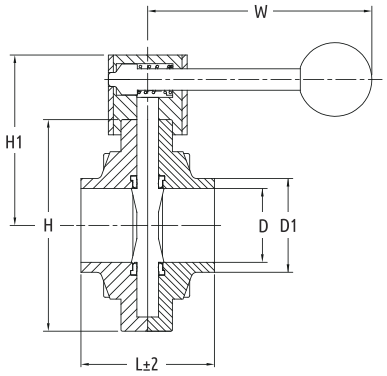
- Hygienic weld end connection
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	10bar
Shell Test Pressure (x1.5)	15bar
Seat Test Pressure (x1.1)	11bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Disc	Stainless Steel 304
	Stainless Steel 316
Sealing Ring	EPDM / PTFE
Bolt & Nut	Stainless Steel 304
Handle	Stainless Steel 304



DIMENSIONS

(mm)

DN (mm) (inch)	Ø51	Ø57	Ø63	Ø76	Ø89	Ø102	Ø108	Ø114	Ø131	Ø133	Ø152	Ø159	Ø203	Ø219
L	52	52	56	56	60	64	64	64	80	80	80	80	90	90
H	93	100	110	124	139	155	155	159	185	185	214	214	280	280
H1	79	83	89	93	99	107	107	112	128	128	143	143	193	193
W	130	130	130	160	160	160	160	160	180	180	180	180	300	300
D	48	53	60	72	85	98	104	110	127	129	147	153	198	213
D1	51	57	64	76	89	102	108	114	131	133	152	159	204	219

3-PIECE BODY SANITARY BUTT WELD BUTTERFLY VALVE

SS304 PN16 F19T16-50
SS316 PN16 F19T16-51

FEATURES & SPECIFICATIONS

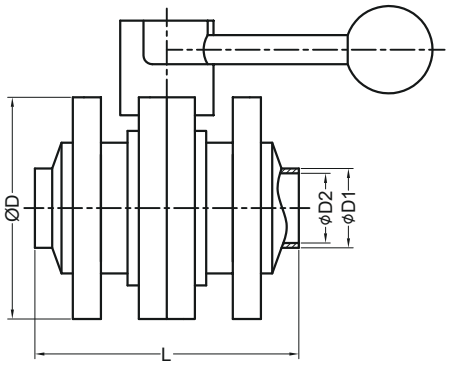
- Hygienic weld end connection
- Comply with ISO 5752
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-29°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Disc	Stainless Steel 304 Stainless Steel 316
Sealing Ring	EPDM / PTFE
Bolt & Nut	Stainless Steel 304
Handle	Stainless Steel 304



DIMENSIONS

(mm)

DN (mm) (inch)	Ø25	Ø32	Ø38	Ø45	Ø51	Ø57	Ø76	Ø89	Ø102	Ø108	Ø114	Ø133	Ø159
D(Ø)	78	78	88	88	105	105	124	139	155	155	155	185	215
D1(Ø)	25	32	38	45	51	57	76	89	102	108	114	133	159
D2(Ø)	22	29	35	42	48	53	72	85	98	104	110	129	155
L	106	106	106	106	106	106	112	112	112	112	124	146	146

2-PIECE BODY SANITARY CLAMP BALL VALVE

SS304 PN16 F48D16-50
SS316 PN16 F48D16-51

FEATURES & SPECIFICATIONS

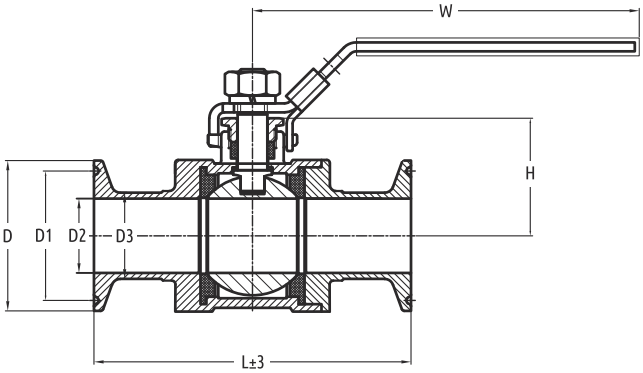
- Hygienic clamp end connection
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Design comforms to GB/T 12237
- Connection end standard DIN 32676
- Testing standard API 598
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Stem	Stainless Steel 304
	Stainless Steel 316
Ball	Stainless Steel 304
	Stainless Steel 316
Seat	PTFE
Bonnet	Stainless Steel 304
	Stainless Steel 316
Bolt & Nut	Stainless Steel 304
Washer	PTFE
Packing	PTFE
Handle	Stainless Steel 201



DIMENSIONS

(mm)

DN	(mm)	20	25	32	40	45	50	57	65	80	89	100
	(inch)	¾	1	1¼	1½	1¾	2	2¼	2½	3	3½	4
	L	100	117	124	139	148	164	169	176	200	240	270
	H	40	42	42	45	55	56	60	69	75	87	110
	W	110	130	130	150	150	170	170	180	230	255	305
	D	50.5	50.5	50.5	50.5	64	64	77.5	77.5	91	106	119
	D1	-	43.5	43.5	43.5	56.5	56.5	70.5	70.5	83.5	97	110
	D2	16	22	29	35	42	48	53	59	73	85	98
	D3	19	25	32	38	45	51	57	63	76	89	102

3-PIECE BODY SANITARY CLAMP BALL VALVE

SS304 PN16 F48T16-50
SS316 PN16 F48T16-51

FEATURES & SPECIFICATIONS

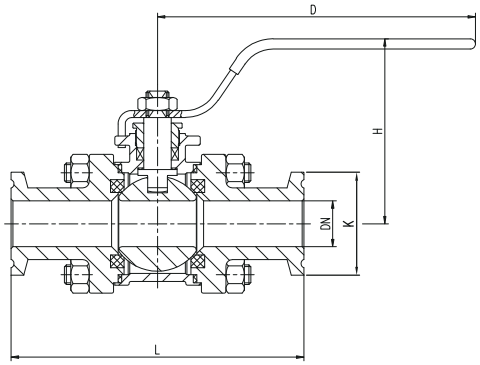
- Hygienic clamp end connection
- 3 piece body full port design
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 150°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Stem	Stainless Steel 304
	Stainless Steel 316
Ball	Stainless Steel 304
	Stainless Steel 316
Gasket	PTFE
Bonnet	Stainless Steel 304
	Stainless Steel 316
Seat	PTFE
Bolt & Nut	Stainless Steel 304
Washer	PTFE
Packing	PTFE
Handle	Stainless Steel 201



DIMENSIONS

(mm)

DN	(mm)	15	20	25	32	40	50
	(inch)	½	¾	1	1¼	1½	2
	L	96	108	113	126	140	155
	K	50.5	50.5	50.5	50.5	65	77.5
	D	105	110	130	140	160	160
	H	46	54	64	69	76	86

3-PIECE BODY SANITARY BUTT WELD BALL VALVE

SS304 PN16 F49T16-50
SS316 PN16 F49T16-51

FEATURES & SPECIFICATIONS

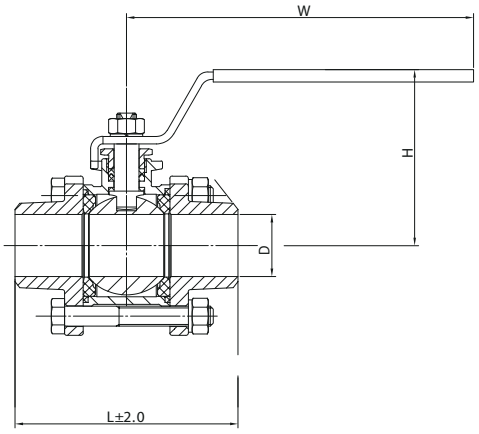
- Hygienic weld end connection
- 3 piece body full port design
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 150°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Stem	Stainless Steel 304
	Stainless Steel 316
Ball	Stainless Steel 304
	Stainless Steel 316
Gasket	PTFE
Bonnet	Stainless Steel 304
	Stainless Steel 316
Seat	PTFE
Bolt & Nut	Stainless Steel 304
Washer	PTFE
Packing	PTFE
Handle	Stainless Steel 201



DIMENSIONS

(mm)

DN	(mm)	15	20	25	32	40	50	65	80	100
	(inch)	½	¾	1	1¼	1½	2	2½	3	4
	L	70	79	89	104	112	138	180	203	256
	D	15	20	25	32	38	50	65	80	100
	H	50	52	64	69	76	86	120	150	170
	W	105	110	125	140	160	160	211	234	311

3-PIECE BODY SOCKET WELD BALL VALVE

SS304 PN16 F46T16-50
SS316 PN16 F46T16-51

FEATURES & SPECIFICATIONS

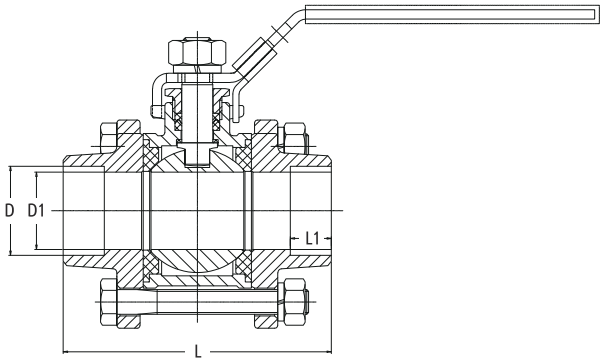
- Hygienic socket weld end connection
- 3 piece body full port design
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- Quick opening and closing with 90° rotation
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-29°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Stem	Stainless Steel 304 Stainless Steel 316
Ball	Stainless Steel 304 Stainless Steel 316
Bonnet	Stainless Steel 304 Stainless Steel 316
Seat	PTFE
Bolt	Stainless Steel 304
Nut	Stainless Steel 304
Spring Washer	Stainless Steel 304
Stem Washer	PTFE
Packing	PTFE
Gland	Stainless Steel 304
Handle	Stainless Steel 201



DIMENSIONS

(mm)

DN (mm)	15	20	25	32	40	50
DN (inch)	½	¾	1	1¼	1½	2
L	70.5	80	89	103	112	138.5
L1	9.6	12.7	12.7	12.7	12.7	15.9
D	21.8	27.2	33.9	42.7	48.8	61.2
D1	15	20	25	32	38	50

SANITARY CLAMP SWING CHECK VALVE

SS304 PN16 F58S16-50
SS316 PN16 F58S16-51

FEATURES & SPECIFICATIONS

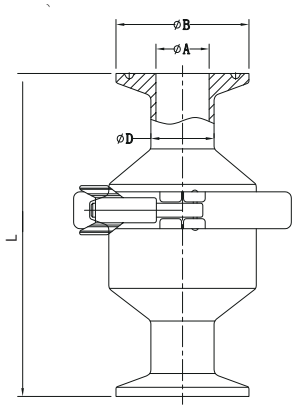
- Comply with DIN 11851
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and repair
- Easy and flexible installation, can be installed in any position
- End connection comply with ISO 2852 sanitary standard
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304
	Stainless Steel 316
Disc	Stainless Steel 304
	Stainless Steel 316
Bonnet	Stainless Steel 304
	Stainless Steel 316
Gasket	PTFE



DIMENSIONS

(mm)

DN (mm) (inch)	Ø51	Ø57	Ø63	Ø76
A(Ø)	47.8	53	59.5	72.2
B(Ø)	64	77.5	77.5	91
D(Ø)	52	60	63.5	77
L	100.5	110.5	119.5	127.5

SANITARY CLAMP Y-TYPE STRAINER

SS304 PN10 F78Y10-50
SS316 PN10 F78Y10-51

FEATURES & SPECIFICATIONS

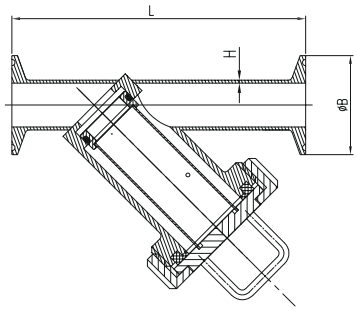
- Hygienic clamp end connection
- Filter the particles and debris that may be carried by process fluid in the pipeline
- Bolted cover with drain plug
- Stainless steel perforated screen
- Stainless steel material with excellent corrosion resistance
- Small and lightweight, easy to disassemble and assembled
- Easy and flexible installation, can be installed in any position
- End connection comply with ISO 2852 sanitary standard
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	10bar
Shell Test Pressure (x1.5)	15bar
Working Temperature	-20°C ... 120°C
Suitable Media	Water

MATERIAL SPECIFICATIONS

Part	Material
Body	Stainless Steel 304 Stainless Steel 316
Screen	Stainless Steel 304 Stainless Steel 316
Gasket	Rubber
Bonnet	Stainless Steel 304
O-ring	Rubber



DIMENSIONS

(mm)

DN (mm) (inch)	Ø25	Ø32	Ø38	Ø45	Ø51	Ø57	Ø63	Ø76	Ø89	Ø102
B(Ø)	50.5	50.5	50.5	64	64	77.5	77.5	91	106	119
L	150	190	190	230	230	265	265	320	350	400
H	2	2	2	2	2	2	2	2	2	2

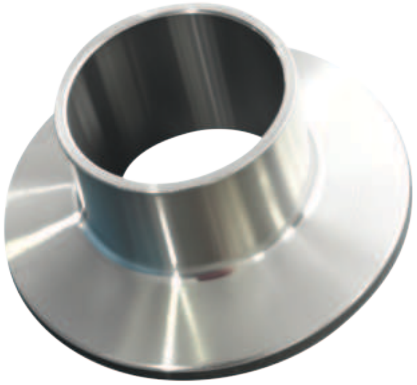
SANITARY CLAMP FERRULE

SS304 A1-50
SS316 A1-51

DESCRIPTION

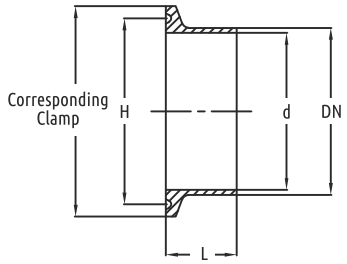
This stainless steel component is a sanitary clamp ferrule, often used in hygienic piping systems such as food & beverage, pharmaceutical, cosmetic, and biotech industries. It allows for quick, secure, and clean connections between piping and equipment, using a clamp and gasket to form a reliable seal.

The ferrule is welded to the end of a pipe and paired with a gasket and clamp, allowing for a tool-free, leak-proof seal that's easy to assemble and disassemble, perfect for clean-in-place or frequent cleaning environments.



FEATURES & SPECIFICATIONS

- High-grade stainless steel material, SS304 or SS316
- Quick coupling connection type
- Fast installation or removal
- Easy to clean
- Leak proof
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc



DIMENSIONS

(mm)

DN	12.7	18	18	19.1	19.1	21	22	25.4	27	28	30	31.8
Corresponding Clamp	25.4	34	50.5	34	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
L	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
H	20	27	43.5	27	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
d	9.7	15	15	16.05	16.05	18	19	22.4	24	25	27	28.8

DN	34	35	38.1	38.1	40	45	48	50.8	52	54	57	60	63.5	70
Corresponding Clamp	50.5	50.5	50.5	50.5	50.5	64	64	64	64	77.5	77.5	77.5	77.5	91
L	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
H	43.5	43.5	43.5	43.5	43.5	56.5	56.5	56.5	56.5	70.5	70.5	70.5	70.5	83.5
d	32	32	35.1	35.1	37	42	45	47.8	49	50	53	56	59.5	66

DN	76.2	85	88.9	101.6	104	108	114	129	133	152	159	165	168	219
Corresponding Clamp	91	106	106	119	119	119	130	145	145	167	183	183	183	233
L	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
H	83.5	98	98	110.5	110.5	110.5	121	136	136	156.8	174	174	174	224
d	72.2	81	84.9	97.6	100	104	110.3	125	129	148	155	159	164	213

SANITARY CLAMP

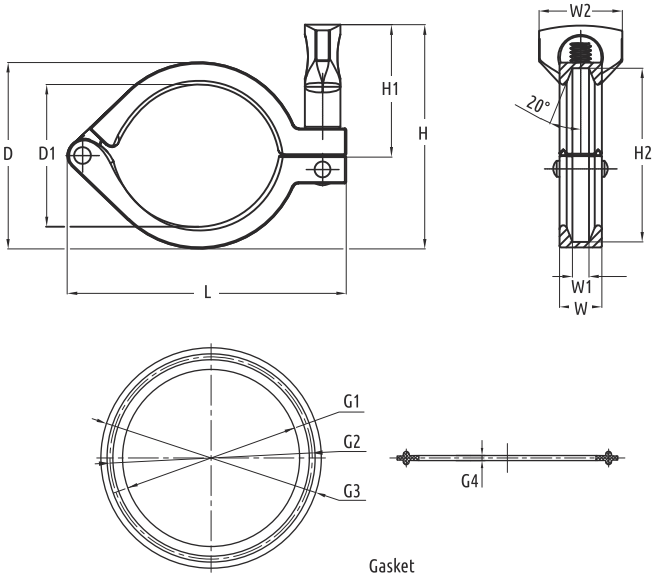
SS304 C1-50
SS316 C1-51

DESCRIPTION

The sanitary clamp is an essential component in hygienic piping systems, widely used in industries such as food and beverage, dairy, pharmaceutical, and biotechnology. It serves as a quick-connect solution that joins two pipe ends fitted with sanitary ferrules, using a gasket to create a secure, leak-proof seal. The clamp mechanism enables fast, tool-free assemble and disassembly, making it ideal for applications where cleanliness, operational efficiency, and ease of maintenance are critical.

FEATURES & SPECIFICATIONS

- High-grade stainless steel material, SS304 or SS316
- Connects two ferrules with a gasket in between
- Gasket material available in EPDM or Silicone
- Fast installation or removal
- No tools required
- Corrosion-resistant and hygienic
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc



DIMENSIONS

(mm)

DN	12.7	19	38	51	63	76	89	102	114	133	152	159	219
Corresponding Ferrule	25.4	34	50.5	64	77.5	91	106	119	130	145	167	183	233
L	60.5	63.5	82	99	112	125.5	141	156	167	185	208.6	223	281
H	58	61	69	76	83	93.5	100	106	115.5	122	137	144.5	182
H1	41	41	41	42	42	46	45	45	47	47.5	51.5	51.5	62
H2	26.5	33	52	65	78.5	92	108	120	132.5	145.5	166	182	233
D	35	40	53	68	82	95	110	123	137	149.5	170.5	186	239.5
D1	18.5	24.5	41	51.5	66.5	80	93.5	105	118	129.5	151	166	216.5
W	15	15	14	14	14.5	14.5	14.5	15.5	16.5	17	22	18	23.5
W1	6	6	6	6	6.5	6.5	7.5	8	8	8	12	8.5	10
W2	26.5	26.5	26.5	26.5	26.5	26.5	28	28	31	28	28	28	28
G1	10/16	15.4	22.8/31.5	48.8	60.5	73.1	85.1	97.8	110.5	129	147	163.3	214.1
G2	20.5	27.5	43.5	56.5	70.5	83.5	97	110	122	135	156.4	174	225
G3	25	34	50.5	64	77.5	91	106	119	130	145	168	183	233.5
G4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

SANITARY CLAMP FLEXIBLE HOSE

SS304 PN16 F88MH16-50
SS316 PN16 F88MH16-51

FEATURES & SPECIFICATIONS

- Hygienic clamp end connection
- Stainless Steel 304 internal bellow and external braiding
- Stainless steel material with excellent corrosion resistance

APPLICATIONS

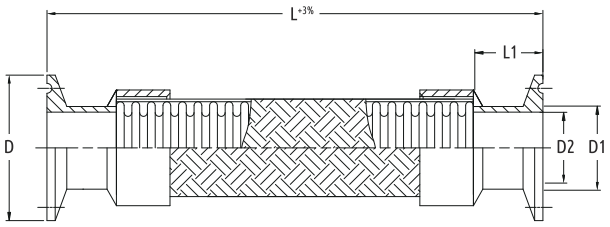
- Designed to compensate for piping misalignment and movement
- To accomodate vibration, reduce noise, relief stress and prevent system shock
- Suitable for applications such as pumps, compressors and other mechanical equipment
- Applicable for Building Services, Air-Conditioning, Cold Water Plumbing, Liquid Cooling System, General Industries, etc

PRESSURE & TEMPERATURE RATINGS

Working Pressure	16bar
Shell Test Pressure (x1.5)	24bar
Seat Test Pressure (x1.1)	17.6bar
Working Temperature	Maximum 220°C
Suitable Media	Water, Air, Steam, Oil & Gas

MATERIAL SPECIFICATIONS

Part	Material
Ring	Stainless Steel 304 Stainless Steel 316
Bellow	Stainless Steel 304 Stainless Steel 316
Braiding	Stainless Steel 304 Stainless Steel 316
Clamp	Stainless Steel 304 Stainless Steel 316



DIMENSIONS

(mm)

DN (inch)	½	¾	1	2	2½	3	3½	4	4½	5	5½	6	6½	7
L	300	300	300	300	300	300	300	300	300	300	300	300	300	300
L1	21	21	21	21	21	21	21	21	21	21	21	21	21	21
D	25	34/50.5	50.5	64	77.5	91	106	119	130	145	155	167	183	191
D1	12.7	19.05	25/31.75/38.1	50.8	63.5	76.2	88.9	101.6	114	125	133	154	159	168
D2	9.7	16.05	22/28.75/35	47.8	59.5	72.2	84.9	97.6	110	121	129	150	155	164

FIVALCO WARRANTY STATEMENT

Fivalco's products are designed, engineered and manufactured within its specification of intended use, under the highest quality control possible. Commitment on quality and performance is always at the top of our agenda.

Fivalco warrants that for a period of thirty six (36) months following delivery, the Fivalco products will perform in accordance with published specifications, and will be free from defects in material or workmanship provided that the products are stored and installed in accordance with recommendations in our catalogues.

Fivalco's obligation shall be to replace any product found to be defective in design, material or workmanship during the warranty period. Fivalco shall not be obligated to refund the purchase price and other liabilities on monetary compensation, nor shall it be obligated to pay for any labor or costs associated with the removal of the defective products or the reinstallation of those products. No warranty coverage will be provided for products that have been altered and / or used for a purpose other than that for which they were designed or installed contrary to Fivalco's guidelines.

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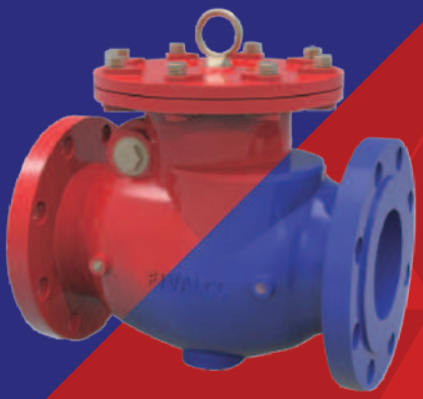
FIRE PROTECTION PRODUCTS



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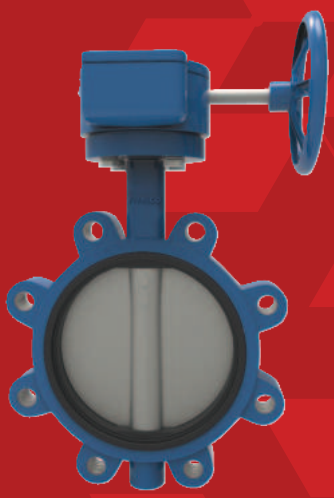

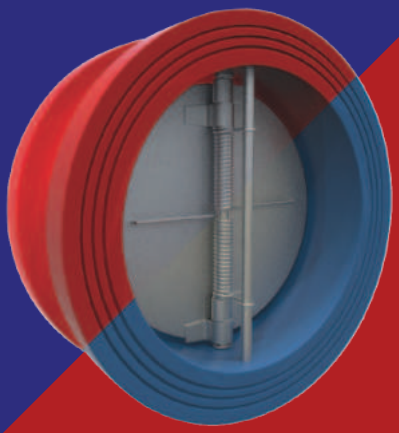

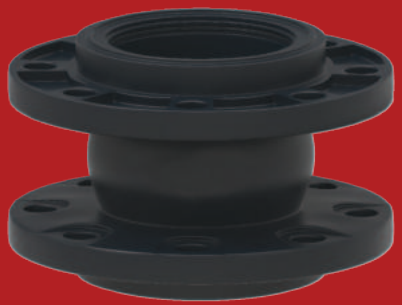

MECHANICAL SERVICES & HVAC

FV-SS-EN-20260801

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