

STAINLESS STEEL VALVE

Butterfly, Check, Ball, Gate, Strainer



STAINLESS STEEL WAFER TYPE BUTTERFLY VALVE

SPECIFICATION

SUITABLE TO BS EN 1092-2 (BS4504) PN10/PN16 •
ANSI B16.1 • JIS10K
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
LEVER / WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 24 bar Seat: 17.6 bar
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat) 5° C to 120° C (PTFE seat) -10° C to 135° C (VITON seat)
Suitable Media	Water & Oil

MATERIALS

Part	Material	BS EN *
Body	Stainless Steel 304	10283 GX5CrNi19-10
	Stainless Steel 316	10283 GX5CrNiMo19-11-2
Disc	Stainless Steel 304	10283 GX5CrNi19-10
	Stainless Steel 316	10283 GX5CrNiMo19-11-2
Seat Ring	EPDM NBR PTFE VITON	
Shaft	Stainless Steel 420	10088-3 X20Cr13
	Stainless Steel 431	10088-3 X17CrNi16-2
O-Ring	NBR	
Bushing	Resin	

*: Indicates the corresponding equivalent standard material for BS EN.

DIMENSIONS

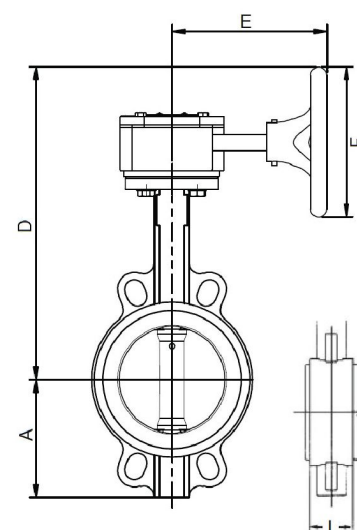
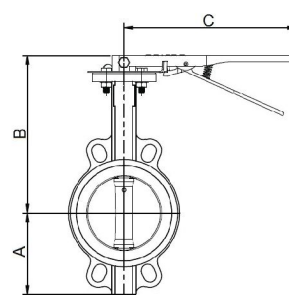
Unit: mm

Size	L	A	B	C	D	E	F
50	43	70	157	248	238	150	145
65	46	76	167	248	248	150	145
80	46	94	173	248	254	150	145
100	52	106	194	248	272	150	145
125	56	118	225	248	300	150	145
150	56	139	239	248	314	150	145
200	60	165	281	375	424	205	280
250	68	203	328	375	471	205	280
300	78	241	353	375	496	205	280
350	78	270	-	-	558	205	280

SBFV-W

PN16

DN50~DN350



STAINLESS STEEL WAFER TYPE BUTTERFLY VALVE

SPECIFICATION

SUITABLE TO BS EN 1092-2 (BS4504) PN10/PN16 •
ANSI B16.1 • JIS10K
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
DOUBLE-STAGE WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 24 bar Seat: 17.6 bar
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat) 5° C to 120° C (PTFE seat) -10° C to 135° C (VITON seat)
Suitable Media	Water & Oil

DIMENSIONS

Unit: mm

Size	L	A	D	E	F
400	102	307	676	251	280
450	114	336	702	251	280
500	127	373	733	251	280
600	154	429	877	300	385

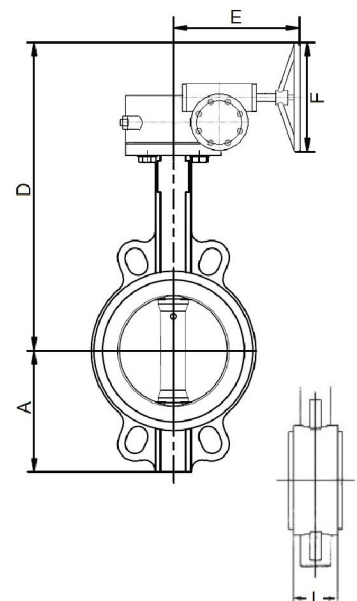
Note:

1. Actuator mounting flange conforms to ISO 5211 drilling.
2. The butterfly valve can be supplied with electric actuator.
3. Micro switch / limit switch box are available upon request.
4. Others flange standard available upon request.
5. Design and specifications are subject to change without prior notice

SBFV-W

PN16

DN400~DN600



LUG TYPE BUTTERFLY VALVE

SPECIFICATION

FOR ANSI CLASS B16.1 FLANGE MOUNTING
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
LEVER / WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	200 psi
Testing Pressure	Shell: 1.5 times Seat: 1.1 times
Working Temperature	-4°F to 230°F (EPDM Seat) 14°F to 176°F (NBR Seat) 41°F to 248°F (PTFE seat) 14°F to 275°F (VITON seat)
Suitable Media	Water & Oil

MATERIALS

Part	Material	ASTM *
Body	Stainless Steel 304 Stainless Steel 316	A351 CF8 A351 CF8M
Disc	Stainless Steel 304 Stainless Steel 316	A351 CF8 A351 CF8M
Seat Ring	EPDM NBR PTFE VITON	
Shaft	Stainless Steel 420 Stainless Steel 431	A276-420 A276-431
O-Ring	NBR	
Bushing	Resin	

*: Indicates the corresponding equivalent standard material for ASTM.

DIMENSIONS

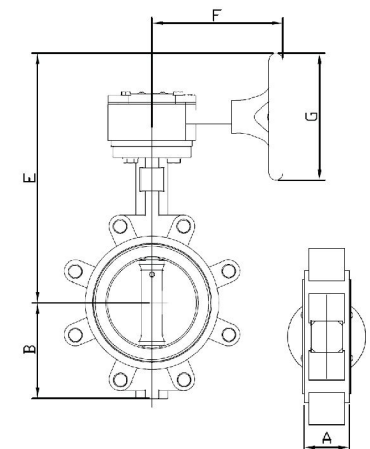
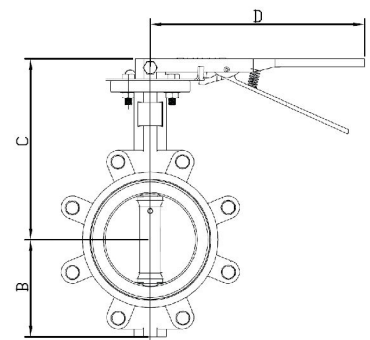
Unit: inch

Size	A	B	C	D	E	F	G
2	1.7	2.8	6.2	9.8	9.4	5.9	5.7
2 ½	1.8	3.0	6.6	9.8	9.8	5.9	5.7
3	1.8	3.7	6.8	9.8	10.0	5.9	5.7
4	2	4.2	8.2	9.8	11.4	5.9	5.7
5	2.2	4.8	8.6	9.8	11.8	5.9	5.7
6	2.2	5.5	9.8	9.8	12.9	5.9	5.7
8	2.4	6.6	10.8	14.8	16.7	8.1	11.0
10	2.7	8.0	12.7	14.8	18.5	8.1	11.0
12	3.1	9.4	13.7	14.8	19.5	8.1	11.0
14	3.1	10.6	-	-	22.0	8.1	11.0

SBFV-LA

Class 125

2"~14"



LUG TYPE BUTTERFLY VALVE

SPECIFICATION

FOR ANSI CLASS B16.1 FLANGE MOUNTING
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
DOUBLE-STAGE WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	200 psi
Testing Pressure	Shell: 1.5 times Seat: 1.1 times
Working Temperature	-4°F to 230°F (EPDM Seat) 14°F to 176°F (NBR Seat) 41°F to 248°F (PTFE seat) 14°F to 275°F (VITON seat)
Suitable Media	Water & Oil

DIMENSIONS

Unit: inch

Size	A	B	E	F	G
16	4.0	12.1	26.6	9.9	11.0
18	4.5	13.2	27.6	9.9	11.0
20	5.0	14.7	28.9	9.9	11.0
24	6.1	16.9	34.5	11.8	15.1

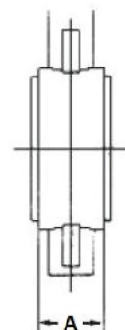
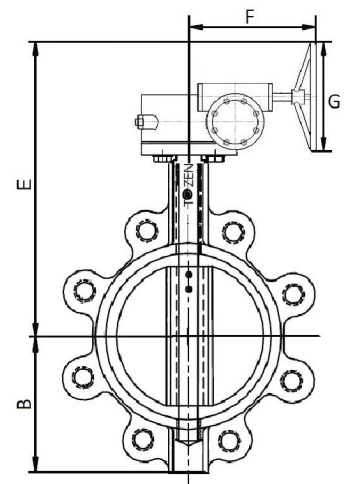
Note:

1. Actuator mounting flange conforms to ISO 5211 drilling.
2. The butterfly valve can be supplied with electric actuator.
3. Micro switch / limit switch box are available upon request.
4. Others flange standard available upon request.
5. Design and specifications are subject to change without prior notice

SBFV-LA

Class 125

16"~24"



LUG TYPE BUTTERFLY VALVE

SPECIFICATION

FOR BS EN 1092-2 (BS4504) PN10 / PN16 FLANGE MOUNTING
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
LEVER / WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 1.5 times Seat: 1.1 times
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat) 5° C to 120° C (PTFE seat) -10° C to 135° C (VITON seat)
Suitable Media	Water & Oil

MATERIALS

Part	Material	BS / EN *
Body	Stainless Steel 304 Stainless Steel 316	10283 GX5CrNi19-10 10283 GX5CrNiMo19-11-2
Disc	Stainless Steel 304 Stainless Steel 316	10283 GX5CrNi19-10 10283 GX5CrNiMo19-11-2
Seat Ring	EPDM NBR PTFE VITON	
Shaft	Stainless Steel 420 Stainless Steel 431	10088-3 X20Cr13 10088-3 X17CrNi16-2
O-Ring	NBR	
Bushing	Resin	

*: Indicates the corresponding equivalent standard material for BS EN.

DIMENSIONS

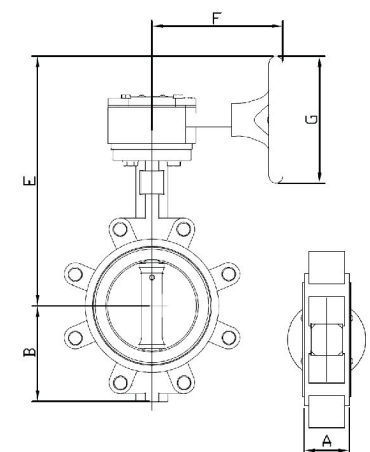
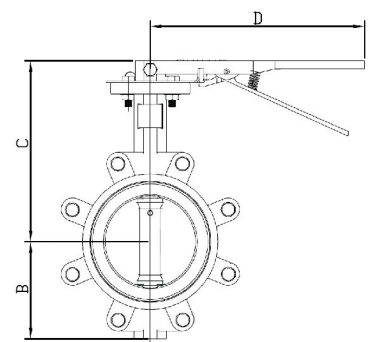
Unit: mm

Size	A	B	C	D	E	F	G
50	43	70	157	248	238	150	145
65	46	76	167	248	248	150	145
80	46	93	173	248	254	150	145
100	52	106	209	248	290	150	145
125	56	123	219	248	300	150	145
150	56	139	248	248	329	150	145
200	60	166	275	375	424	205	280
250	68	203	322	375	471	205	280
300	78	238	347	375	496	205	280
350	78	270			558	205	280

SBFV-LB

PN16

DN50~DN350



LUG TYPE BUTTERFLY VALVE

SPECIFICATION

FOR BS EN 1092-2 (BS4504) PN10 / PN16 FLANGE MOUNTING
FACE-TO-FACE DIMENSION TO ISO 5752 / BS 5155 / BS EN 593
DOUBLE-STAGE WORM GEAR OPERATOR

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 1.5 times Seat: 1.1 times
Working Temperature	-20°C to 110°C (EPDM Seat) -10°C to 80°C (NBR Seat) 5° C to 120° C (PTFE seat) -10° C to 135° C (VITON seat)
Suitable Media	Water & Oil

DIMENSIONS

Unit: mm

Size	A	B	E	F	G
400	102	307	676	251	280
450	114	336	702	251	280
500	127	373	733	251	280
600	154	429	877	300	385

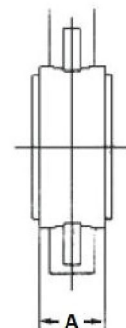
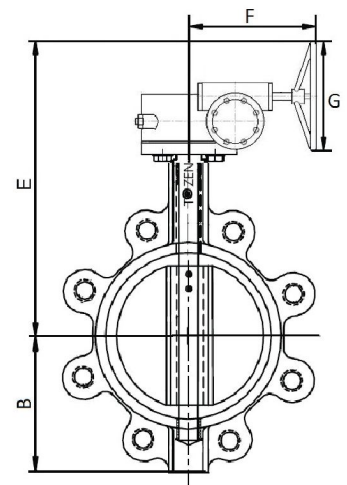
Note:

1. Actuator mounting flange conforms to ISO 5211 drilling.
2. The butterfly valve can be supplied with electric actuator.
3. Micro switch / limit switch box are available upon request.
4. Others flange standard available upon request.
5. Design and specifications are subject to change without prior notice

SBFV-LB

PN16

DN400~DN600



STAINLESS STEEL GATE VALVE

SPECIFICATION

SCREWED-IN BONNET • SOLID WEDGE DISC
NON-RISING STEM • INTEGRAL SEAT • ASBESTOS FREE
THREADED TO BS 21 (ISO 7) / ASME B1.20.1 OR NPT

PRESSURE RATINGS

Working Pressure	200 PSI
Testing Pressure	Shell: 22 bar Hydrostatic Seat: 16 bar Hydrostatic (6 bar) Air
Working Temperature	-29°C ~ 150°C
Suitable Media	Water & Oil

MATERIALS

Part	Material	EN
Body	Stainless steel 304	1.4301
Bonnet	Stainless steel 304	1.4301
Disc	Stainless steel 304	1.4301
Stem	Stainless steel 304	1.4301
Packing	PTFE	
Packing Nut	Stainless steel 304	1.4301

DIMENSIONS

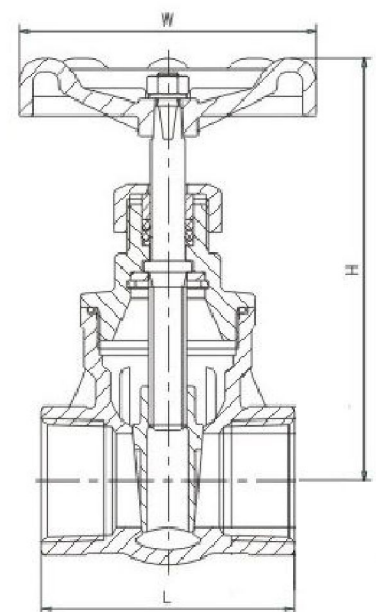
Size		L		H		W	
mm	inch	mm	inch	mm	Inch	Mm	inch
15	½	56	2.2	99	3.8	65	2.5
20	¾	61	2.4	106	4.1	65	2.5
25	1	65	2.5	110	4.3	72	2.8
32	1¼	72	2.8	129	5.0	80	3.1
40	1½	78	3.0	149	5.8	96	3.7
50	2	87	3.4	165	6.4	96	3.7
65	2½	118	4.6	205	8.1	140	5.5

Note:

1. If used for gas application, please consult our sales office.
2. Design and specifications are subject to change without prior notice.

SGV

Class 200



STAINLESS STEEL BALL VALVE

SPECIFICATION

SCREWED BODY CAP • FULL BORE
BLOW-OUT PROOF STEM • PTFE SEAT
THREADED TO BS 21 (ISO 7) / ASME B1.20.1

PRESSURE / TEMPERATURE RATINGS

Working Pressure	1.96MPa
Working Temperature	Max. 120 deg.C
Suitable Media	Water & Oil

MATERIALS

Part	Material
Body	Stainless Steel 304
Ball	Stainless Steel 304
Seat	PTFE
Stem	Stainless Steel 304
Gasket	PTFE

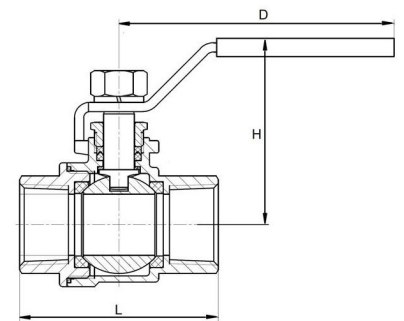
DIMENSIONS

Size		L		H		D	
mm	inch	mm	inch	mm	inch	mm	inch
10	3/8	55	2.2	53	2.1	80	3.1
15	1/2	55	2.2	53	2.1	80	3.1
20	3/4	65	2.6	61	2.4	90	3.5
25	1	76	3.0	67	2.6	90	3.5
32	1 1/4	87	3.4	76	3.0	125	4.9
40	1 1/2	95	3.7	93	3.7	150	5.9
50	2	114	4.5	101	4.1	150	5.9

Note:

1. If used for gas application, please consult our sales office.
2. Design and specifications are subject to change without prior notice.

SBV



BALL VALVE

SPECIFICATION

2-PC BODY • FULL BORE • PTFE SEAT
 FACE-TO-FACE DIMENSION CONFORMS TO GB/T12221

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 24 bar Seat: 17.6 bar
Working Temperature	Max. 150°C
Suitable Media	Water & Oil

MATERIALS

Part	Material
Body	Stainless Steel 304
Bonnet	Stainless Steel 304
Ball	Stainless Steel 304
Seat	Resin
Shaft	Stainless Steel 304
Lever / Wormgear	Carbon Steel

DIMENSIONS

Unit: mm

Size	L	H	W
15	130	85	121
20	140	88	121
25	150	100	152
32	165	105	152
40	180	130	231
50	200	137	231
65	220	157	231
80	250	183	283
100	280	205	283
125	320	270	550
150	360	294	635
200	400	400	-

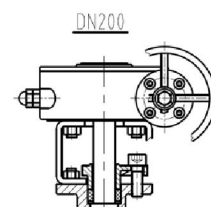
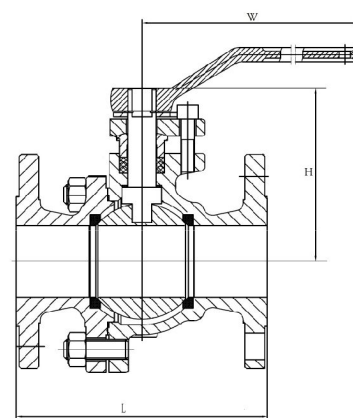
Note:

1. JIS10K, ANSI150# or PN10 flange standard are available upon request.
2. Design and specifications are subject to change without prior notice.

SBV-D

PN16

DN15~DN200



STAINLESS STEEL SWING CHECK VALVE

SPECIFICATION

ASME B16.34 DESIGN
THREADED TO BS 21 (ISO 7) / ASME B1.20.1

PRESSURE RATINGS

Working Pressure	200 PSI
Testing Pressure	Shell: 22 bar Hydrostatic Seat: 16 bar Hydrostatic (6 bar) Air
Working Temperature	-29°C ~ 150°C
Suitable Media	Water & Oil

MATERIALS

Part	Material	EN
Body	Stainless steel 304	1.4301
Bonnet	Stainless steel 304	1.4301
Disc	Stainless steel 304	1.4301
Hanger	Stainless steel 304	1.4301
Gasket	PTFE	
Pin	Stainless steel 304	1.4301
Washer	Stainless steel 304	1.4301
Nut	Stainless steel 304	1.4301

DIMENSIONS

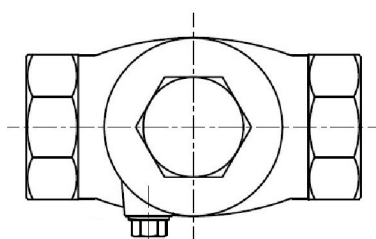
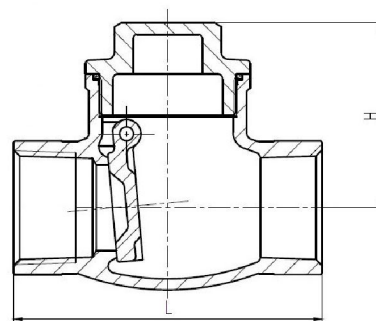
Size		L		H	
mm	inch	mm	inch	mm	Inch
15	½	62	2.4	42	1.7
20	¾	73	2.9	49	1.9
25	1	83	3.3	58	2.3
32	1¼	99	3.9	60	2.4
40	1½	115	4.5	70	2.8
50	2	134	5.3	79	3.1

Note:

- Design and specifications are subject to change without prior notice.

SSCV

Class 200



STAINLESS STEEL DUAL DOOR CHECK VALVE

SPECIFICATION

SUITABLE PN10/PN16, JIS10K & ANSI150 FLANGE MOUNTING

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	Shell: 1.5 times Seat: 1.1 times
Working Temperature	-10°C to 120°C (EPDM Seat) -10 °C to 80°C (NBR Seat)
Suitable Media	Water & Oil

MATERIALS

Part	Material	BS
Body	Stainless Steel 304	304 C15
	Stainless Steel 316	316 C16
Disc	Stainless Steel 304	304 C15
	Stainless Steel 316	316 C16
Seat Ring	EPDM NBR	
Stem	Stainless Steel 316	316 C16
Spring	Stainless Steel 316	316 C16
Bush	TEFLON	

DIMENSIONS

Unit: mm

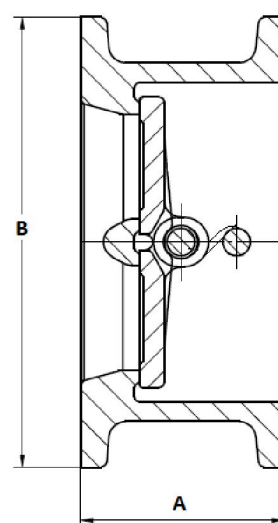
Size	A	B
50	43	101
65	46	121
80	64	131
100	64	156
125	70	187
150	76	217
200	89	267
250	114	329
300	114	375

Note:

- Design and specifications are subject to change without prior notice.

SDCV-W

PN16



STAINLESS STEEL Y TYPE STRAINER

SPECIFICATION

Y-PATTERN BODY • SCREWED CAP
 STAINLESS STEEL SCREEN • ASBESTOS FREE
 THREADED TO BS 21 (ISO 7)

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	24 bar Hydrostatic
Working Temperature	-29°C ~ 150°C
Suitable Media	Water, Oil & Gas

MATERIALS

Part	Material	EN
Body	Stainless Steel 304	304 S15
Cover	Stainless Steel 304	304 S15
Screen	Stainless Steel 304	304 S15
Gasket	PTFE	

DIMENSIONS

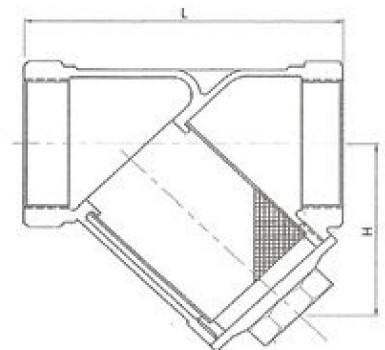
Size		L		H	
mm	inch	mm	inch	mm	inch
15	½	62	2.4	40	1.6
20	¾	74	2.9	52	2.0
25	1	81	3.2	60	2.4
32	1¼	103	4.1	67	2.6
40	1½	106	4.2	73	2.9
50	2	124	4.9	88	3.5

Note:

1. If used for gas application, please consult our sales office.
2. Design and specifications are subject to change without prior notice.

SYS

PN16



STAINLESS STEEL Y TYPE STRAINER

SPECIFICATION

BOLTED COVER
STAINLESS STEEL PERFORATED SCREEN
FLANGED TO BS4504 PN16

PRESSURE / TEMPERATURE RATINGS

Working Pressure	16 bar
Testing Pressure	24 bar Hydrostatic
Working Temperature	Max. 120 deg.C
Suitable Media	Water & Oil

MATERIALS

Part	Material
Body	Stainless Steel 304
Cover	Stainless Steel 304
Screen	Stainless Steel 304
Gasket	Resin
Drain Plug	Stainless Steel 304

DIMENSIONS

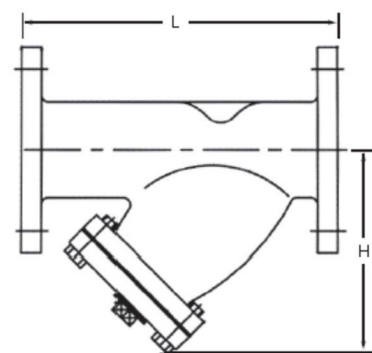
Size		L		H	
mm	inch	mm	inch	mm	inch
50	2	220	8.7	130	5.1
65	2½	250	9.8	130	5.1
80	3	280	11.0	165	6.5
100	4	320	12.6	195	7.7
125	5	350	13.8	230	9.1
150	6	380	15.0	300	11.8
200	8	470	18.5	335	13.2
250	10	570	22.4	370	14.6
300	12	620	24.4	440	17.3

Note:

1. Other flange standards are available upon request.
2. If used for gas application, please consult our sales office.
3. Design and specifications are subject to change without prior notice.

SYS-B

PN16





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