



Y-STRAINER | SIMPLEX | DUPLEX

Y-Strainer

This product is designed for remove foreign matter from pipe lines and provides protection for pumps, meters, valves, and other similar mechanical equipment, which is called as strainer. "Y" Type strainers are named after their shape and normally used for course filtration. But with large filtration area can be used with fine mesh also. The strainer improves the clearance in the medium, and prolongs the life of valves; protect expensive pumps, meters and other equipment. It is suitable for water, air, gas, petroleum, steam and other fluids. A Y-strainer can be installed in either a horizontal or vertical position (Downward flow) with the screen element pointing downward. This allows the strainer screen to collect material in the strainer at the lowest point of the screen

Strainer – Simplex & Duplex

Simplex strainer are designed for installation in horizontal lines. They are commonly used for liquid service applications. Simplex strainer are generally used where high flow capacity is required. The simplex strainer is serviced by removing the cover, which yields access to the basket. Simplex strainer are also available in a duplex style which consists of two parallel basket strainers and diverting valves, which permit diversion of the flow through one of the strainer elements while the other element is being serviced-an essential feature where flow cannot be interrupted.

Y-STRAINER ANSI STANDARD

CAST IRON / CARBON STEEL / STAINLESS STEEL

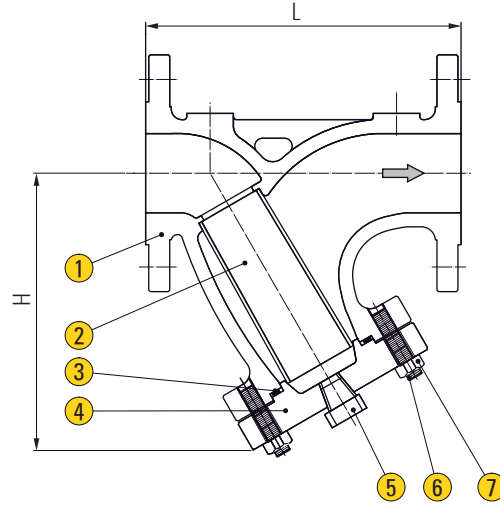


FIG 821 X - X

Material		Connection
- WCB	- CF8	- 150#RF
- LCB	- CF8M	- 300#RF
- LCC	- CF3	- Butt weld
- WC1	- CF3M	- Socket weld
- WC6	- CF8C	- RTJ
- C5		

APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Face To Face Dimension	ASME B16.10
Pressure Rating	Class 150, 300 and 600
Flange End Dimension	ASME B16.5
BW End Dimension	ASME B16.25
Mesh Size	40 / 60 / 80 / 100
Test and Inspection	API 598
Pressure - Temperature Rating	ASME B16.34

MATERIAL

Parts	Material					
1 Body	A126	WCB	CF8	CF8M	CF3M	
2 Screen	SS304	SS304	SS304	SS316	SS316L	
3 Gasket	Graphite					
4 Cover	A126	WCB	CF8	CF8M	CF3M	
5 Plug	SS304	SS304	SS304	SS316	SS316L	
6 Cover Bolt	HT 8.8	HT 8.8	SS304	SS316	SS316L	
7 Cover Nut	HT 8.8	HT 8.8	SS304	SS316	SS316L	

CLASS 150 - 300 - 600

Unit : mm

Class	Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
150	L	120	140	150	180	190	203	216	241	292	380	406	495	622	699
	H	85	87	114	130	135	145	183	206	228	274	329	440	507	594
	Weight (Kg)	5	6	7	9	10	12	18	21	32	35	48	105	169	215
300	L	140	160	175	229	240	267	292	318	356	400	445	559	622	711
	H	85	87	114	130	135	170	185	235	290	340	375	450	575	665
	Weight (Kg)	6	7	9	11	12	15	18	35	51	80	92	182	285	307
600	L	165	191	216	230	241	292	330	356	432	456	559	660	787	838
	H	120	140	170	175	180	185	200	250	300	318	415	490	595	680
	Weight (Kg)	9	11	14	15	16	35	40	48	90	140	220	360	781	1210

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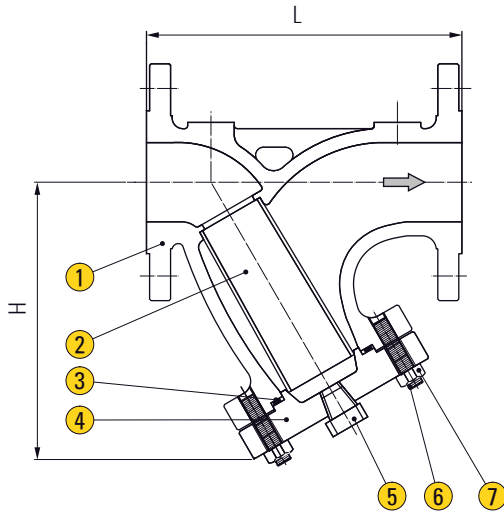


FIG 821 X - X

Material		Connection
- A126	- C5	- PN16
- WCB / CS	- CF8	- PN40
- LCB	- CF8M	- Butt weld
- LCC	- CF3	- Socket weld
- WC1	- CF3M	- RTJ
- WC6	- CF8C	

APPLICATION

Suitable for water, steam, oil, gases and others non-abrasive media (Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Face To Face Dimension Series 1 according to EN 558-1
 End Connection Flange end to DIN PN16 and PN40
 Perforated Screen Diameter 1mm for DN15 to DN50
 1.25mm for DN100 to DN300
 1.6mm for DN100 to DN300
 Mesh Size 20 / 40 / 60 / 80 / 100

MATERIAL

Parts	Material				
1 Body	A126	WCB	CF8	CF8M	CF3M
2 Screen	SS304	SS304	SS304	SS316	SS316L
3 Gasket	Graphite				
4 Cover	A126	WCB	CF8	CF8M	CF3M
5 Plug	SS304	SS304	SS304	SS316	SS316L
6 Cover Bolt	HT 8.8	HT 8.8	SS304	SS316	SS316L
7 Cover Nut	HT 8.8	HT 8.8	SS304	SS316	SS316L

DIMENSIONS

Unit : mm

Class	Size (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300
PN16	L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
	H	90	100	115	135	150	160	180	215	235	280	320	405	540	680
PN40	L	130	150	160	180	200	230	290	310	350	400	480	600	730	850
	H	70	80	88	100	125	140	170	190	225	260	320	420	540	680

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Y-STRAINER

FORGED CARBON STEEL / STAINLESS STEEL

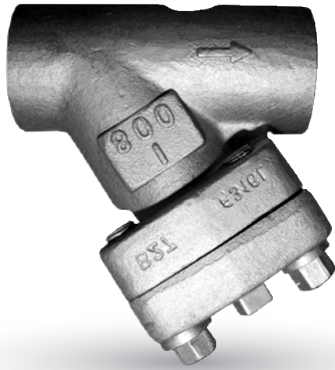
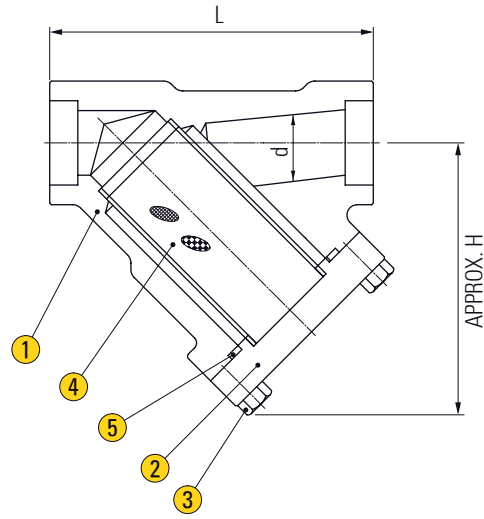


FIG GD-YST



APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Design and Manufactured	BS 5352
Pressure Rating	Class 650, 800 and 1500
Socket Weld Dimension	ASME B16.11
Mesh Size	40 / 60 / 80 / 100
Threaded End Dimension	ASME 1.20.1
Test and Inspection	API 598

MATERIAL

Parts	Material		
1 Body	A105 (1)	F304	F316
2 Cover	A105 (1)	F304	F316
3 Cover Bolt	A193-B7	A193-B8	A193-B8
4 Screen	SUS304	SUS304	SUS316
5 Gasket	SUS304 + Graphite	SUS304 + Graphite	SUS316 + Graphite

Note : (1) A105 also available with 0.25% Maximum Carbon.

CLASS 600 - 800 - 1500

Unit : mm / inch

Class	Valve Size		Center to Top, Open		End to End		End to Hub (Dia)		Approx. Weight	
			H		L		d			
	DN	in	mm	in	mm	in	mm	in	kg	lb
600 / 800	15	1/2	88	3.46	98	3.85	13	0.51	1.8	4.0
	20	3/4	88	3.46	98	3.85	18	0.71	2.0	4.4
	25	1	105	4.13	120	4.72	23	0.90	2.3	5.1
	32	1-1/4	123	4.48	140	5.51	29	1.14	5.8	12.8
	40	1-1/2	123	4.48	140	5.51	35	1.37	6.0	13.2
	50	2	142	5.59	170	6.69	38	1.50	6.7	14.8
1500	15	1/2	88	3.46	98	3.85	13	0.51	1.8	4.0
	20	3/4	105	4.13	120	4.72	18	0.71	2.3	5.1
	25	1	123	4.84	140	5.51	23	0.90	5.8	12.8
	32	1-1/4	123	4.84	140	5.51	29	1.14	7.1	15.7
	40	1-1/2	142	5.59	170	6.69	35	1.37	9.0	19.8
	50	2	170	6.69	240	7.87	38	1.50	14.4	31.7

* Other materials also available on application

*Specification given are subject to changed without further notice.

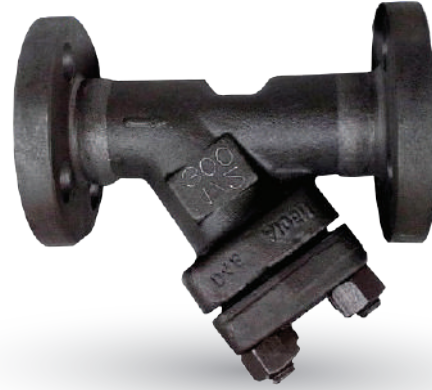
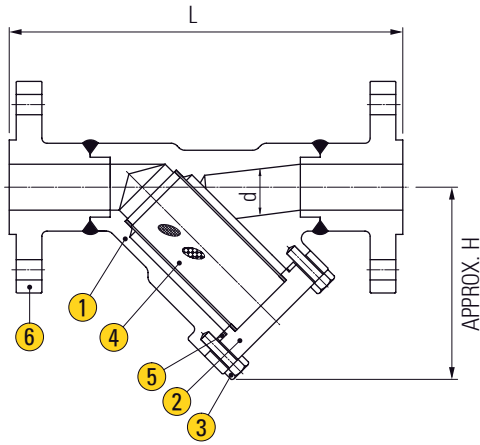


FIG GD-YST

APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
 (Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

Face To Face Dimension	ASME B16.10
Pressure Rating	Class 150, 300, 600 and 1500
End To End Dimension	ASME B16.10
Flange End Dimension	ASME B16.5
BW End Dimension	ASME B16.25

MATERIAL

Parts	Material		
1 Body	A105 (1)	F304	F316
2 Cover	A105 (1)	F304	F316
3 Cover Bolt	A193-B7	A193-B8	A193-B8
4 Screen	SUS304	SUS304	SUS316
5 Gasket	SUS304 + Graphite	SUS304 + Graphite	SUS316 + Graphite
6 Flange	A105	F304	F316

Note : (1) A105 also available with 0.25% Maximum Carbon.

CLASS 150 - 300 - 600

Unit : mm / inch

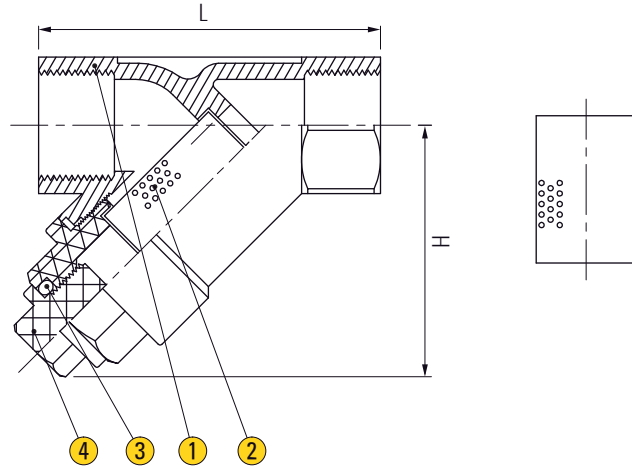
Class	Valve Size		Center to Top, Open		End to End		End to Hub (Dia)		Approx. Weight	
			H		L		d			
	DN	in	mm	in	mm	in	mm	in	kg	lb
150 / 300 (10K, 20K, 30K)	15	1/2	88	3.46	178	7.01	13	0.51	1.7	3.8
	20	3/4	88	3.46	187	7.36	18	0.71	2.4	5.3
	25	1	105	4.13	209	8.22	23	0.90	3.8	8.4
	32	1-1/4	123	4.48	241	9.49	29	1.14	5.0	11.0
	40	1-1/2	123	4.48	241	9.49	35	1.37	7.7	17.0
	50	2	142	5.59	278	10.94	38	1.50	11.4	25.1
600 (40K)	15	1/2	88	3.46	180	7.09	13	0.51	2.5	5.5
	20	3/4	88	3.46	190	7.48	18	0.71	3.9	8.6
	25	1	105	4.13	216	8.50	23	0.90	5.7	12.6
	32	1-1/4	123	4.84	260	10.24	29	1.14	8.0	17.6
	40	1-1/2	123	4.84	260	10.24	35	1.37	11.5	25.4
	50	2	142	5.59	292	11.50	38	1.50	13.8	30.4

* Other materials also available on application

*Specification given are subject to changed without further notice.

Y-STRAINER SCREWED END

CAST IRON / BRASS / STAINLESS STEEL



APPLICATION

Suitable for water, oil, gases and others non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

End Connection	Screwed End BSPT female thread
Pressure Rating	800 PSI W.O.G for SUS316 strainer 10kgf/cm ² for cast iron strainer 16 Bar for brass strainer
Working Temperature	Up to 150°C
Screen	Perforated screen
Mesh Size	20 / 40

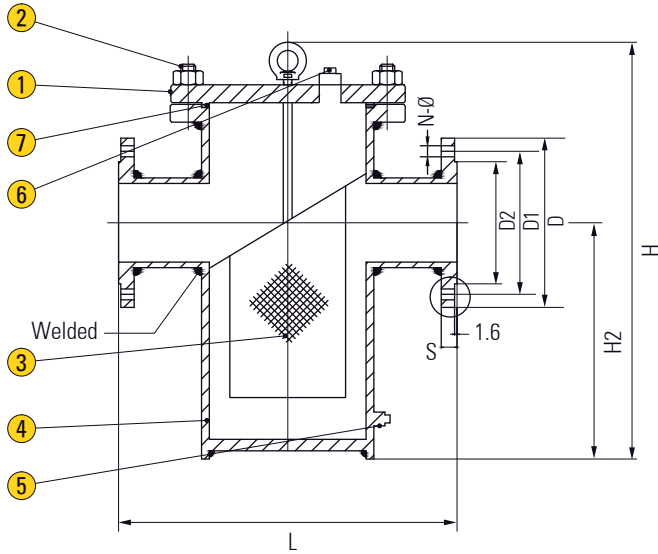
MATERIAL

Parts	FIG 13Y6 / 13Y7	FIG 13Y1	FIG 13Y8
1 Body	SUS304 / 316	Cast Iron	Brass
2 Screen	SUS304 / 316	SUS304	SUS304
3 Gasket	PTFE	Graphite	PTFE
4 Plug	SUS304 / 316	Cast Iron	Brass

DIMENSIONS

Unit : mm

Size	DN8	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
L	65.0	65.0	65.0	80.0	90.0	105.0	120.0	140.0	180.0	200.0	240.0
H	51.0	51.0	51.0	60.0	72.0	77.0	87.0	103.0	124.0	143.0	205.0



APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
 (Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

End Connection Flange end to ANSI 150, ANSI 300, DIN PN16, PN40, JIS 10K, JIS 20K
 Pressure Rating Class 150 and 300
 Screen Size 40 Mesh, 60 Mesh and 80 Mesh

MATERIAL

Parts	Material			
	CS	SS304	SS316	Graphite
1 Bonnet	CS	SS304	SS316	Graphite
2 Bolting	B7 / 2H	A4-70	A4-70	Graphite
3 Screen	SS304	SS304	SS316	Graphite
4 Body	CS	SS304	SS316	Graphite
5 Drain	CS	SS304	SS316	Graphite
6 Vent	CS	SS304	SS316	Graphite
7 Gasket	Graphite	Graphite	Graphite	Graphite

DIMENSIONS

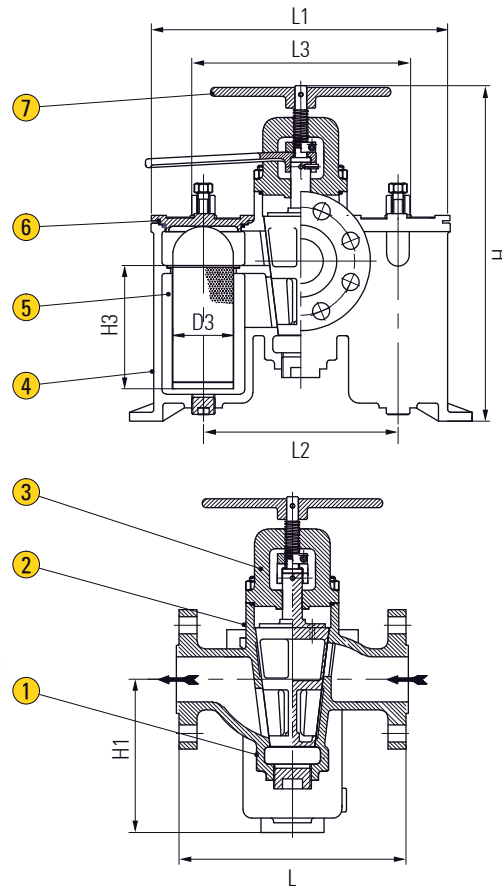
Unit : mm

Size DN	L	Ø	H	H1	D	D1	D2	S	N-Ø
50	280	133	300	180	165	125	102	18	4-18
65	330	133	350	220	185	145	122	18	8-18
80	340	159	400	260	200	160	138	20	8-18
100	420	219	470	310	220	180	158	20	8-18
125	500	273	540	380	250	210	188	22	8-18
150	500	273	620	430	285	240	212	22	8-22
200	560	325	780	530	340	295	268	24	8-22
250	660	377	930	640	395	350	320	26	12-22
300	750	478	1120	800	445	400	370	26	12-22
350	800	530	1300	930	505	460	430	26	16-22

*Specification given are subject to changed without further notice.

STRAINER DUPLEX BUCKET TYPE

CARBON STEEL / STAINLESS STEEL



APPLICATION

Suitable for water, steam, oil, gases and non-abrasive media
(Refer to corrosion resistance table for valve materials selection).

SPECIFICATION

End Connection	Flange end to ANSI 150, ANSI 300, DIN PN16, PN40, JIS 10K, JIS 20K
Pressure Rating	Class 150 and 300
Screen Size	40 Mesh, 60 Mesh and 80 Mesh

MATERIAL

Parts	Material			
	A126	WCB	FC8	FC8M
1 Plug Valve Body	A126	WCB	FC8	FC8M
2 Plug	A126	WCB	FC8	FC8M
3 Plug Valve Bonnet	A126	WCB	FC8	FC8M
4 Strainer Body	A126	WCB	FC8	FC8M
5 Mesh	304	304	304	316
6 Strainer Bonnet	A126	WCB	FC8	FC8M
7 Handle	DCI	DCI	DCI	DCI

JIS 10K / ANSI 150LB/DIN PN16

Unit : mm

Inch	L	L1	L2	L3	H	H1	D3	H3
3/4"	205	270	180	190	285	115	40	70
1"	205	270	180	190	285	115	68	100
1-1/2"	240	380	230	260	465	155	78	130
2"	272	420	255	305	550	280	95	200
2-1/2"	277	430	270	320	580	294	95	200
3"	315	470	305	345	640	320	95	200
4"	400	520	350	430	880	370	107	350
5"	460	690	450	475	1000	410	140	380
6"	500	750	480	510	1060	430	164	400
8"	670	1030	610	955	1350	633	225	600
10"	950	1250	970	1220	1400	650	280	600
12"	1010	1480	1020	1100	1785	700	320	765

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