



'Y' - TYPE STRAINER

Series : SI - PN-16

SANT (SI-PN-16) Series 'Y' - Type Strainers are manufactured in a wide variety of required specifications, Temperature / Pressure Rating & different types to meet specific requirement of Straining application in the Water Line, Oil Field, Steam & Gas Line. *etc.*

FEATURES

High Capacity flow through out full size In-let / Out-let connection with large Flow Filtration area to minimize Pressure Drop and screen choking problems.

The cover is connected to the Body with Nuts & Studs and the filter screen is readily accessible and easily exchangeable.

APPLICATION

These Strainers are used in application for Industrial use and are provided with most modern design and construction, in accordance with the latest requirement of National & International standards. These Strainers are recommended for most types of Industrial Applications, ideal for HVAC & R Systems, Petrochemicals, Textiles, Agriculture, *etc.*

CONSTRUCTION FEATURES

Body available in Cast Bronze / Cast Iron / Mild Steel / Stainless Steel with Brass / Bronze / Stainless Steel Filter Screen.

AVAILABLE SIZES

These 'Y' - Type Strainers are available from 12mm upto 65mm in Screwed End Connection and from 20mm upto 600 mm in Flanged End Connection.

QUALITY CONTROL

All the Raw Material used in the construction of these Strainer are produced from highest quality material and subject to stringent quality control. Each and every Strainer is Pressure tested prior to leaving factory.



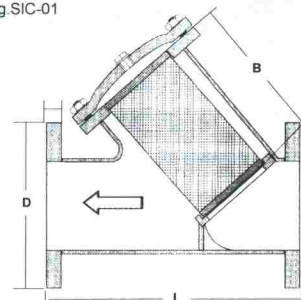
PIC-Y-1



PIC-Y-2

NOMINAL SIZES	(DN) MM	65	80	100	125	150	200	250	300
L	MM	220	240	280	340	395	475	580	660
B	MM	140	150	180	230	275	340	421	480
D	MM	160	180	210	250	275	330	400	450
t	MM	10	10	12	12	14	16	18	20

Drg.SIC-01

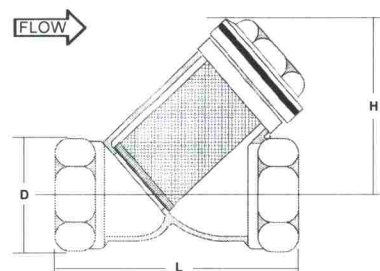


MATERIAL OF CONSTRUCTION

- | | | | |
|---|----------------------------------|---|--|
| 1 | Strainer Body & Cover (Optional) | : | Cast Bronze / Cast Iron / Mild Steel / Stainless Steel. |
| 2 | Connecting Studs / Nuts | : | A - 307, Grade B. |
| 3 | Filter Screen | : | Stainless Steel Perforated Screen Of 3mm Perforation X 24 G. |
| 4 | Body / Cover Gasket | : | Rubber Gasket. |
| 5 | Flanges | : | Drilled As Per BS, ANSI, ASA Standards |
| 6 | Drain Plug | : | Stainless Steel - 410. |

NOTE : DIMENSIONS FOR 'Y' - TYPE STRAINER (DRG. NO : SI/PN-16) ABOVE 300MM ARE ONLY AVAILABLE ON REQUEST.

NOMINAL SIZES	(DN) MM	15	20	25	32	40	50
L	MM	57	75	82	100	108	130
H	MM	40	50	60	68	75	90
D	MM	27	32	40	50	57	72



Drg.SIC-02

MATERIAL OF CONSTRUCTION

- | | | | |
|---|--------------------------------|---|--|
| 1 | Strainer Body & Cap (Optional) | : | Cast Bronze / Cast Iron / Mild Steel / Stainless Steel. |
| 2 | Filter Screen | : | Stainless Steel Perforated Screen Of 2mm Perforation X 24 G. |
| 3 | Body / Cover Gasket | : | Neuprene. |



'Y' - TYPE STRAINER

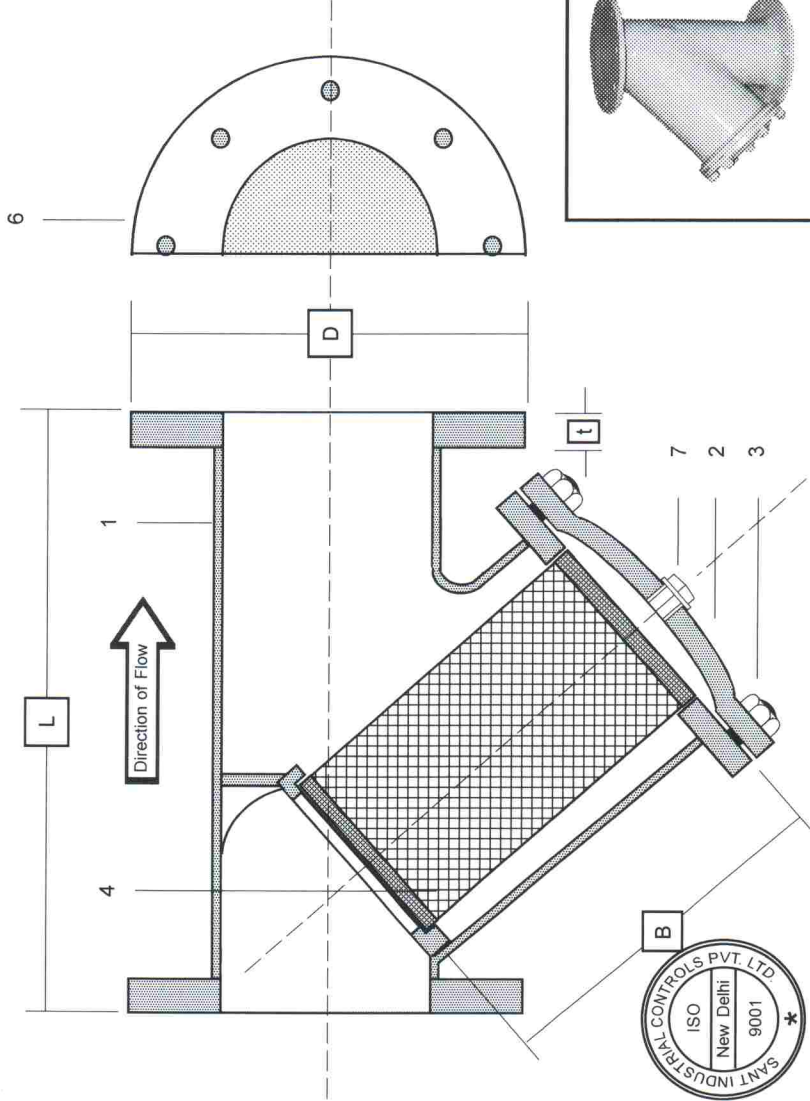
YPn-16
Series : SI / PN-16 / 65 -300
C.I. / M.S. Body. Flanged End Connection.

TESTING OF STRAINER AS PER

BS - 6755 : PART-1

SHELL = 200 PSIG
14 BAR

- STRAINER SHALL BE TESTED HYDROSTATICALLY UPTO 200 PSIG.
- PRESSURE CLASSIFICATION SHALL BE AS PER PN-16 RATING.
- STRAINER SHALL BE TESTED HYDROSTATICALLY AT 1.5 TIMES THEIR RATED WORKING PRESSURE.
- TESTING OF STRAINERS AS PER ANSI OR API STANDARDS.



TECHNICAL SPECIFICATIONS										
NOMINAL SIZES	(DN) MM	65	80	100	125	150	200	250	300	
L	MM		220	240	280	340	395	475	580	660
B	MM		140	150	180	230	275	340	420	480
D	MM		160	180	210	250	275	330	400	450
t	MM		10	10	12	12	14	16	18	20
M.O.C		CAST IRON BODY					MILD STEEL BODY			

MATERIAL SPECIFICATIONS	
1 STRAINER BODY	: CAST IRON / MILD STEEL.
2 STRAINER BONNET	: CAST IRON. (Gr. 260).
3 CONNECTING STUDS/NUTS	: A - 307, Gr. B.
4 BASKET (Filter Screen)	: Stainless Steel Filter Screen Of 3mm Perforation X 24G. Thickness
5 BODY / BONNET GASKET	: RUBBER GASKET.
6 FLANGES	: AS PER BS-10, TABLE : D
7 DRAIN PLUG	: S.S. 410.



Approvals



SANT INDUSTRIAL CONTROLS PVT. LTD.
Engineers, Manufacturers & Traders
Block 'A'-94/1 Sudershan Park, Moti Nagar, New Delhi - 110 015. INDIA.
Phone : 91-11-25419419 Fax : 91-11-25448444. E-mail : sant_industries@hotmail.com.

DATE : 01.01.2007.

Drg. No : SI / PN16

Client :

'Y' Type Strainer
Series : SI / PN16 /65-300

Pic-01-'Y'-Strainer

'Y' - TYPE STRAINER

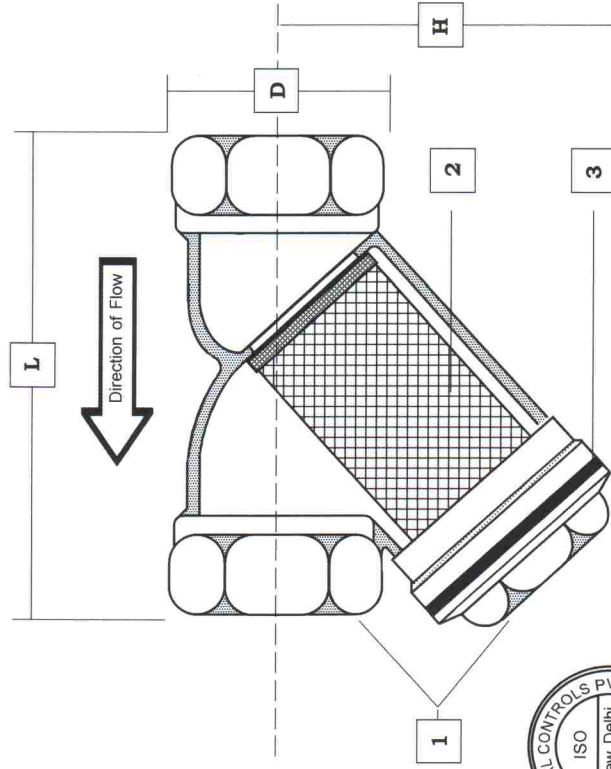
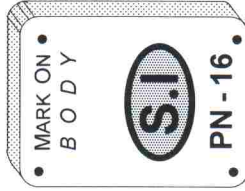
Y-ST-2s

Series : SI/PN-16. Cast Iron Body.
For Water Line. Screwed End Connection.

TESTING OF STRAINER AS PER

BS - 6755 : PART-1

SHELL = 200 PSIG
14 BAR



DO NOT SCALE THE DRAWING



TECHNICAL SPECIFICATION

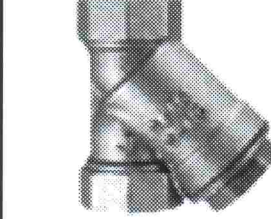
NOMINAL SIZES	(DN) MM	20	25	32	40	50
L	MM	75	82	100	108	130
H	MM	50	60	68	75	90
D	MM	32	40	50	57	72

MATERIAL SPECIFICATIONS

1	BODY / CAP.	: CAST IRON (C.I.-210, GR. 260)
2	BASKET.	: Stainless Steel Perforated Filter Screen Of 2 mm Perforation X 24G Thickness.
3	BODY/CAP GASKET.	: NEUPRENE O-RING
4	TEST PRESSURE.	: 200 P S I (MAX)



Approvals



SANT INDUSTRIAL CONTROLS PVT. LTD.
Engineers Manufacturers & Traders
Block 'A'-94/1 Sudershan Park, Moti Nagar, New Delhi - 110 015. India.
Phone : 91-11-25419419, Fax: 91-11-25448444, E-mail: sant_industries@hotmail.com.

DATE : 01-01-2007

Drg. No : SI - PN 16

Client :

Casted 'Y' Type Strainer
Series : SI/PN16 /19-50



'Y' - TYPE STRAINER

Series : SI - PN-16-FL

SANT (SI-PN-16-FL) Series 'Y' - Type Strainers are manufactured in a wide variety of required specifications, Temperature / Pressure Rating & different types to meet specific requirement of Straining application in the Water Line, Oil Field, Steam & Gas Line. *etc.*

FEATURES

High Capacity flow through out full size In-let / Out-let connection with large Flow Filtration area to minimize Pressure Drop and screen choking problems.

The cover is connected to the Body with Nuts & Studs and the filter screen is readily accessible and easily exchangeable.



PIC-Y-1

APPLICATION

These Strainers are used in application for Industrial use and are provided with most modern design and construction, in accordance with the latest requirement of National & International standards. These Strainers are recommended for most types of Industrial Applications, ideal for HVAC & R Systems, Petrochemicals, Textiles, Agriculture, *etc.*

CONSTRUCTION FEATURES

Body available in Cast Bronze / Cast Iron / Mild Steel / Stainless Steel with Brass / Bronze / Stainless Steel Filter Screen.

AVAILABLE SIZES

These series 'Y' - Type Strainers are available from 20mm upto 50mm Flanged End Connection Only.

QUALITY CONTROL

All the Raw Material used in the construction of these Strainer are produced from highest quality material and subject to stringent quality control. Each and every Strainer is Pressure tested prior to leaving factory.

Dimensions								In MM
NOMINAL SIZE	DN	L	t	L ₁	B	C	D	No. Of Holes Side Flanges
20	MM	130	8	84	20	40	107	4
25	MM	130	8	84	25	40	107	4
32	MM	140	10	85	32	48	110	4
40	MM	170	10	115	40	60	132	4
50	MM	175	10	125	50	66	150	4

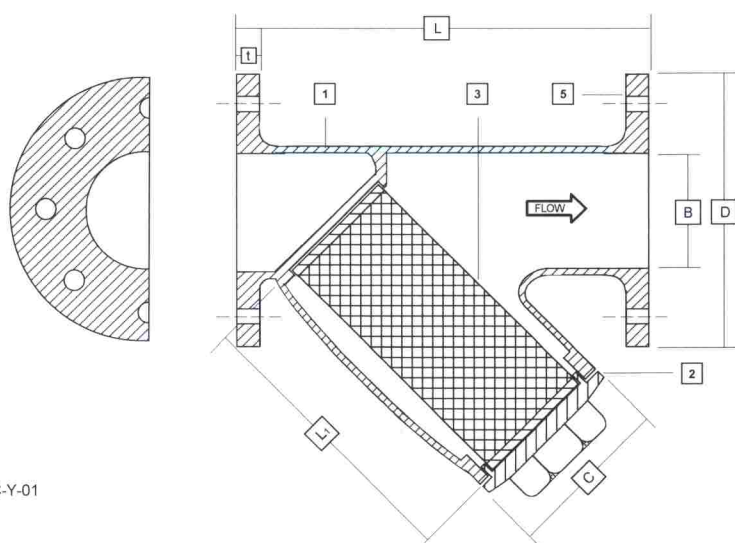


Fig - SIC-Y-01

INSPECTION & TESTING
OF 'Y' - TYPE STRAINER
AS PER

BS - 6755
PART-1

SHELL = 200 PSIG
14 BAR

Material Of Construction		
1	Strainer Body & Cover (Optional)	: Cast Bronze / Cast Iron / Mild Steel / Stainless Steel.
2	Filter Screen	: Stainless Steel Perforated Screen.
3	Body / Cover Gasket	: Neoprene. (O-Ring)
4	Flanges	: Drilled As Per BS-10, T-D (Option. ANSI, ASA Standards)



'Y' - TYPE STRAINER

Y-FL-4

Series : SI/PN-16. Cast Iron Body.
For Water Line. Flanged End Connection.

TESTING OF STRAINER AS PER

BS - 6755 : PART-1

SHELL = 200 PSIG
14 BAR

TECHNICAL SPECIFICATIONS

NOMINAL SIZE	DN	L	t	L1	B	C	D
25	MM	130	8	84	25	40	107
32	MM	140	10	85	32	48	110
40	MM	170	10	115	40	60	132
50	MM	175	10	125	50	66	150
65	MM	220	10	140	65	84	160
80	MM	240	10	150	80	100	180
100	MM	280	12	180	100	114	210

MATERIAL SPECIFICATIONS

1	STRAINER BODY	: CAST IRON (Gr. 260).
2	STRAINER BONNET / CAP	: CAST IRON. (Gr. 260).
3	BASKET (Filter Screen)	: STAINLESS STEEL SCREEN OF 3mm PERFORATION X 24G THK.
4	BODY / BONNET GASKET	: RUBBER GASKET / O-RING.
5	FLANGES	: AS PER BS-10, TABLE : D



Approvals



SANT INDUSTRIAL CONTROLS PVT. LTD.

Engineers Manufacturers & Traders

Block 'A'-94/1 Sudershan Park, Moti Nagar, New Delhi - 110 015, INDIA.
Phone : 91-11-25419419, Fax: 91-11-25448444, E-mail : sant_industries@hotmail.com.

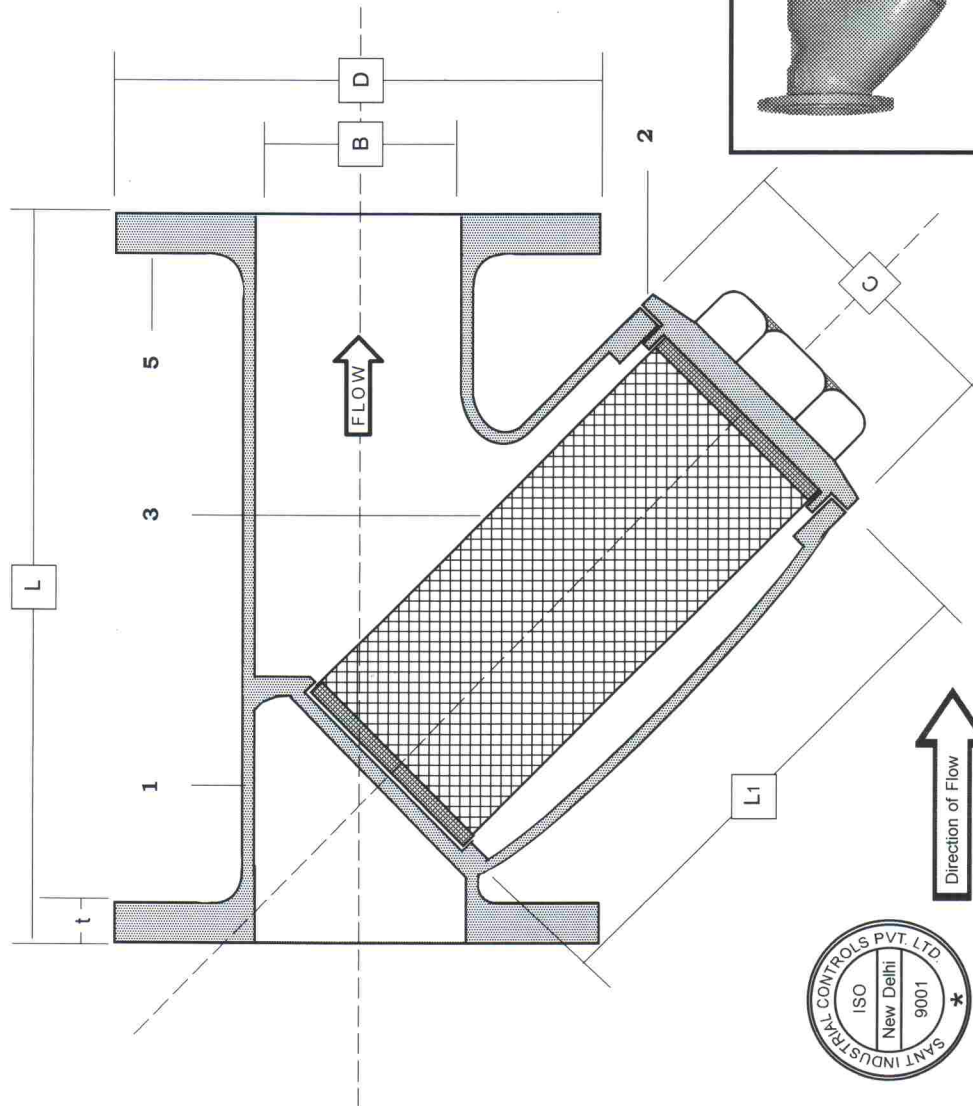
DATE : 01-01-2007

Drg. No : SI/PN-16

Casted 'Y' - Type Strainer

Series : SI/PN-16 /20-100

Client :



P16-05-Y-Strainer



TECHNICAL DATA SHEET FOR 'Y' - TYPE STRAINERS



SL No	DESCRIPTION		TECHNICAL PARTICULARS								
1	Size (MM)	40	50	65	80	100	125	150	200	250	300
2	Flow Rate (CuM/H)	12	14	22	37	52	75	105	154	220	338
3	Maximum Permissible Pressure Drop At 50% Clogging		0.2 KG / CM.SQ.								
4	MATERIAL OF CONSTRUCTION										
	a	Body	CAST IRON IS: 210 (Gr. 260) / MILD STEEL (IS:2062-1992 Gr A)								
	b	Bonnet	CAST IRON IS: 210 (Gr. 260)								
	c	Bonnet / Bonnet Bolts	A - 307 Gr B								
	d	Basket (Filter Screen)	Stainless Steel Filter Screen of 2 / 3mm Perforation X 24G Thk.								
	e	Body Cover Gasket	Rubber Gasket / Compressed Asbestos								
	f	Drain Plug	Stainless Steel-410								
	g	End Connection	Flanged (As Per BS-10, Table : D)								
5	Hydrostatic Test Pressure Of Body		16 Kg/cm sq								
6	Dimensions		As Per Our Standard Drawing (Drg. No : SI/PN-16)								
7	Painting		2 Coats Of Synthetic Enamel over 2 Coats Of Primer Total DFT Minimum 100 Microns - SHADE - DA Grey.								



SANT INDUSTRIAL CONTROLS PRIVATE LIMITED.

Phone : ++91-11-25419419 / 32942713, Fax : ++91-11-25448444.

E - Mail : info@sant.co.in, Website : www.sant.co.in.

