



POT STRAINER

Series : SI - PN-16

SANT (SI-PN-16 & SI-1001 H) Series Pot Strainers are manufactured in a wide variety of required specifications, Temperature / Pressure Rating & different types to meet specific requirement of Straining application in the HVAC System Water Line, Oil Field, Agriculture, *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 Mild Steel / Stainless Steel with Brass / Bronze / Stainless Steel Filter Screen.

AVAILABLE SIZES

These Pot Strainers are available in various Types / Designs & sizes from 40mm upto 800mm 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.

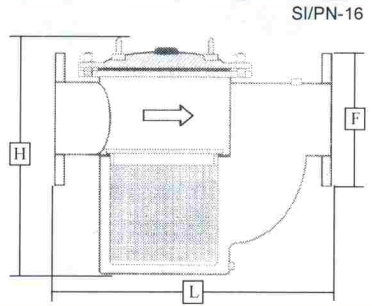


PIC-P-1



PIC-P-2

NOMINAL SIZES	(DN) MM	50	65	80	100	125	150	200	250	300
H	MM	280	304	330	406	495	546	660	812	914
L	MM	254	305	337	419	482	533	635	762	838
F	MM	152	165	184	215	254	279	336	406	475
Flange Thickness	MM	8	10	10	12	12	14	16	18	20

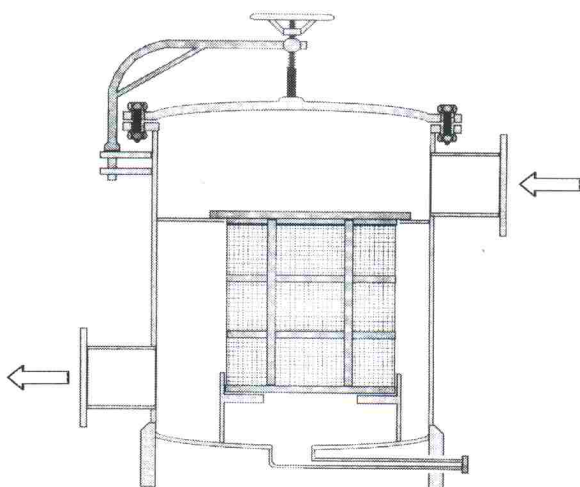


SI/PN-16

MATERIAL OF CONSTRUCTION (Drawing No : SI-PN-16)

- | | | | |
|---|--------------------------------|---|---|
| 1 | Pot Strainer Body (Optional) | : | Mild Steel / Stainless Steel. |
| 2 | Pot Strainer Bonnet (Optional) | : | Cast Iron / Mild Steel / Stainless Steel. |
| 3 | Connecting Studs / Nuts | : | A - 307, Grade B. |
| 4 | Filter Screen (Optional) | : | Brass / Bronze / Stainless Steel Perforated Screen. |
| 5 | Body / Bonnet Gasket | : | Rubber Gasket / CAF. |
| 6 | Flanges (Optional) | : | Drilled As Per BS, ANSI, ASA Standards |
| 7 | Drain Plug | : | Stainless Steel - 410. |

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



MATERIAL OF CONSTRUCTION (Drawing No : SI-1001 H)

- | | | | |
|---|--------------------------|---|---|
| 1 | Strainer Body | : | Mild Steel / Stainless Steel. |
| 2 | Strainer Bonnet | : | Mild Steel / Stainless Steel. |
| 3 | Filter Screen | : | Brass / Bronze / Stainless Steel Perforated Screen. |
| 4 | Body / Bonnet Gasket | : | Black Rubber Gasket. |
| 5 | Swing Arrangement System | : | Heavy Duty Mild Steel. |
| 6 | Hand Wheel | : | Heavy Duty Mild Steel. |
| 7 | Drain Plug | : | Stainless Steel - 410. |

AVAILABLE SIZES : 50 MM TO 800 MM

NOTE : OVER-ALL DIMENSIONS FOR POT STRAINER (DRG. NO : SI/1001-H) ARE AVAILABLE ONLY ON REQUEST.



POT STRAINER

POT-PN-16

Series : SI / PN-16 / 40 -300

M. S. Fabricated. Flanged End Connection.

TESTING OF POT STRAINER AS PER

BS - 6755 : PART-1

Hydro Testing Only

SHELL

150 PSIG

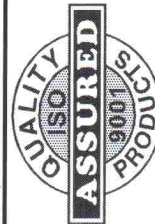
10 BAR

- STRAINER SHALL BE TESTED HYDROSTATICALLY UPTO 150 PSIG.
- PRESSURE CLASSIFICATION SHALL BE AS PER PN-10 RATING.
- STRAINER SHALL BE TESTED HYDROSTATICALLY AT 1.5 TIMES THEIR RATED WORKING PRESSURE.
- TESTING OF STRAINERS AS PER BS STANDARDS.

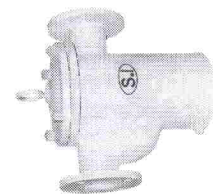
TECHNICAL SPECIFICATION											
NOMINAL SIZES	(DN) MM	40	50	65	80	100	125	150	200	250	300
H	MM	228	280	304	330	406	495	546	660	812	914
L	MM	203	254	304	337	419	482	533	635	762	838
F	MM	133	152	165	184	215	254	279	336	406	475
T	MM	8	8	10	10	12	12	14	16	18	20
No Of Holes	Nos	4	4	4	4	4	8	8	8	8	12

MATERIAL SPECIFICATIONS :

1	BODY	: Mild Steel. (IS : 2062-1992 Gr A)
2	BONNET	: Cast Iron / Mild Steel.
3	BODY / BONNET BOLTS	: A 307 Gr B.
4	BASKET	: S.S. Wiremesh / Perforated Screen of 3mm Perforation X 24 G. Thickness.
5	BODY / BONNET GASKET	: C.A.F.
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.

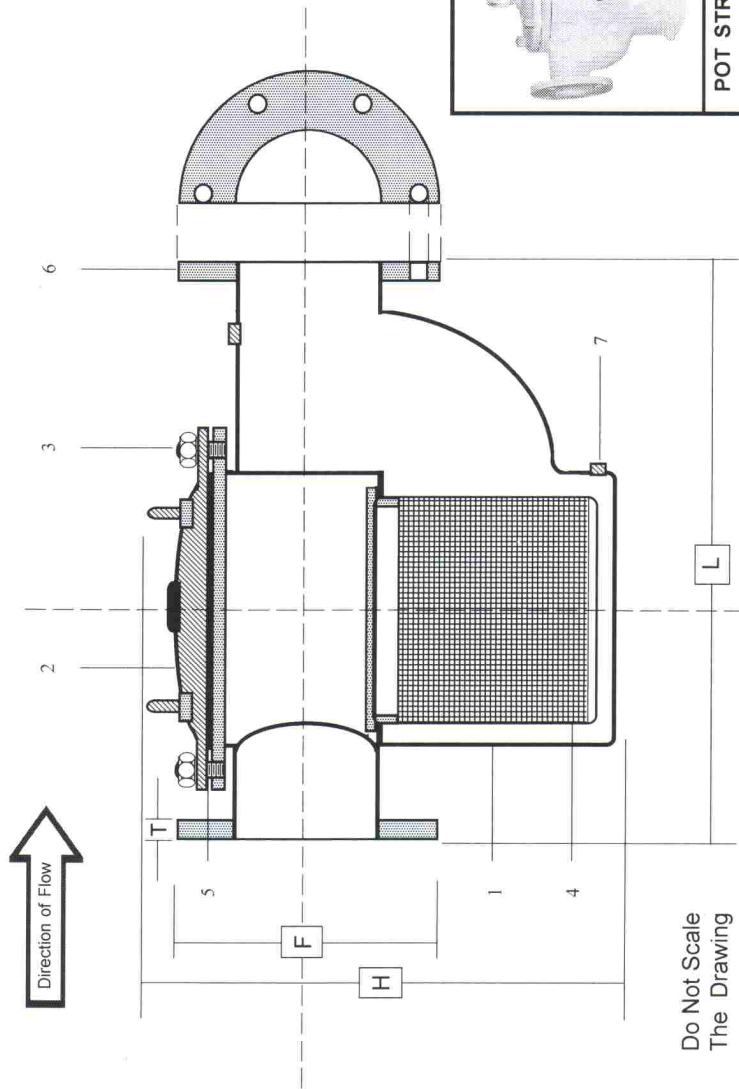
Drg. No : SI - PN-16

Client :

Pot Strainer

Series : SI/PN-16/40-300

POT STRAINER



Do Not Scale
The Drawing



TECHNICAL DATA SHEET FOR POT STRAINERS



SL No	DESCRIPTION	TECHNICAL PARTICULARS								
1	Size (MM)	50	65	80	100	125	150	200	250	300
2	Flow Rate (CuM/H)	15	21	34	52	63	75	148	200	328
3	Maximum Permissible Pressure Drop At 50% Clogging	0.3 KG / CM.SQ.								
4	MATERIAL OF CONSTRUCTION									
	a Body	MILD STEEL : IS 2062 Gr A								
	b Bonnet	CAST IRON IS: 210 (Gr. 260)								
	c Bonnet / Bonnet Bolts	A - 307 Gr B								
	d Basket (Screen)	Stainless Steel Filter Screen of 3mm Perforation X 24G Thk.								
	e Body Cover Gasket	Rubber Gasket / Compressed Asbestos								
	f Drain Plug	SS-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								
7	Painting	2 Coats Of Synthetic Enamel over 2 Coats Of Primer Total DFT Minimum 100 Microns - SHADE - DA Grey.								

Accredited by
Member of the
IAF MLA for
QMS



SANT INDUSTRIAL CONTROLS PRIVATE LIMITED.

Phone : ++91-11-25419419 / 30942713, Fax : ++91-11-25448444.

E - Mail : sant_industries@hotmail.com.

