

Y Strainer DIN for Clean Water

SBM PTV Y-Strainers are compact, of a cylindrical shape and strong enough to handle hot water, steam, air and gases. Gases, being readily compressible, will flow through Y-strainers of the same size as a pipeline easily, with little pressure loss. They are designed with adequate safety margins. This means sufficiently heavy wall thickness and blow off connections. As an example, in improperly trapped steam lines, condensate can collect in low points and become a slug of water traveling at very high velocity down the line. Even the slight change in direction caused by a Y-strainer can produce a tremendous shock which can break the strainer wall. The straining element of our industrial Y-Strainers perfectly seals to the body by means of a carefully machined seat so no particle can bypass it. The same thing applies to the clean-out end. The screen fits tightly.

Features:

- A) **One piece** Cast Body made in Cast Iron or Ductil Iron plus blue epoxy paint.
- B) **Available** with a wide selection of mesh sizes.
- C) **Generous screen** area and properly proportioned straining chamber minimize initial pressure drop while maximizing time between cleanings.
- D) **Drain port** or drain ball valve with NPT end; for in line emptying of condensate or water
- E) **Iron strainers** are complete with FF or RF flanges in accordance with BS EN 1092-1
- F) **Low pressure** drop streamlined design.
- G) **SS304** perforated screens as standard.
- H) **Compact** end to end dimension.
- H) **Bolting cover** to ease maintenance operations. All sizes complete with bolted cover.

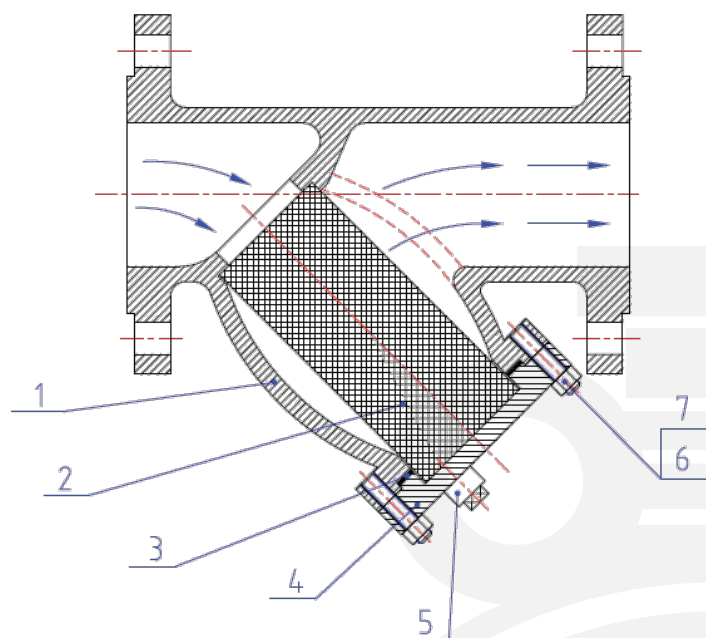


Technical Specification

1. Design & Manufacture standard as to: PED 97/23/CE
ASME B16.34
2. Face to Face dimension standard as to: EN-558-1
3. Flange dimension conforms as to: BS EN 1092-1
4. Testing And Inspection as to: EN 12266-1 / BS6755 Part 1
5. Pressure-temperature conforms as to: ASME B16.34

Technical Data

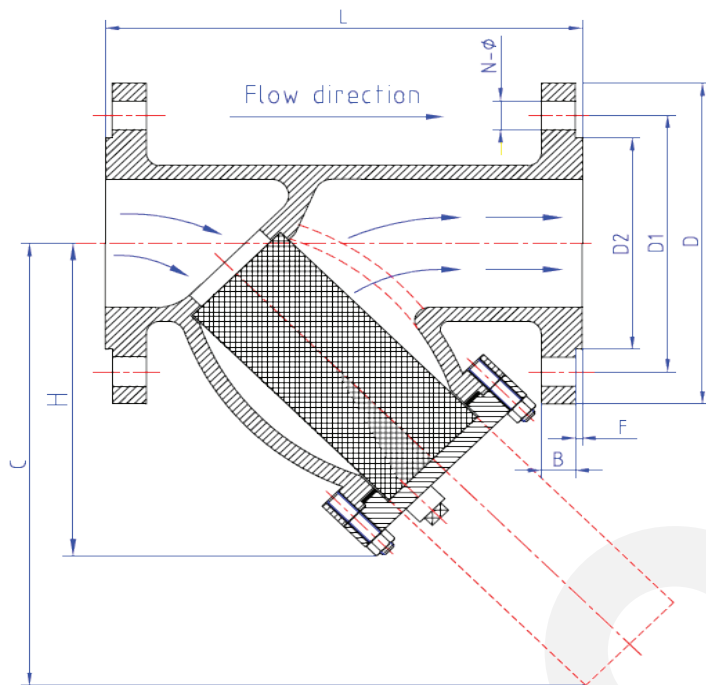
1. Size range: DN25 ~ DN400
2. Pressure ratings: PN16 / PN25
3. Working temperature: -29°C ~ +200°C
4. Suitable Medium: Water Supply
Hot water, Thermal Oil and Heat Transfer Fluids, Steam, Compressed Air, etc.
5. Body Material: <8" Cast Iron GGG25
≥8" :Ductile Iron GGG40
7. Screen Material: A276 SS304
8. Mesh: As per purchaser



Part List:

Y Strainer for Clean Water Part List:

No.	Part Name	Material	Standard
1.	Body	GGG25 / GGG40	Cast Iron / Ductile Iron
2.	Screen	SS304	ASTM A276
3.	Gasket	PTFE	USA DuPont
4.	Cover	GGG25 / GGG40	Cast Iron / Ductile Iron
5.	Drain Plug	A105	ASTM A105
6.	Bolt	B7+EZP	ASTM A193
7.	Nut	2H+EZP	ASTM A194



Main Dimensions:

Y Strainer DIN For Water Series PN16:

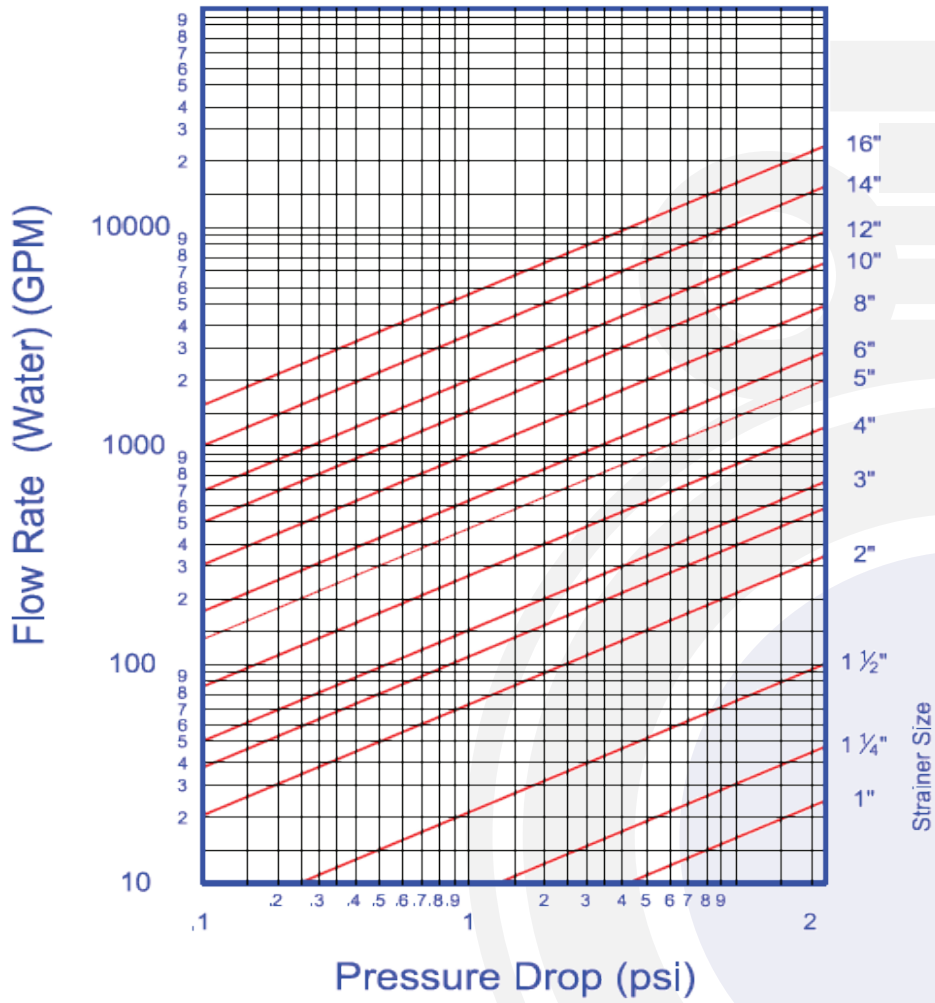
DN	NPS	L	D	D1	D2	B	N-φ	F	H	C	Weight (Kg)
25	1"	165	Φ115	Φ85	Φ68	16	4-Φ14	2	105	145	3.5
32	1 1/4"	200	Φ140	Φ100	Φ78	18	4-Φ18	2	131	180	5.3
40	1 1/2"	200	Φ150	Φ110	Φ88	18	4-Φ18	3	151	193	6.5
50	2"	230	Φ165	Φ125	Φ102	20	4-Φ18	3	165	207	8.5
65	2 1/2"	290	Φ185	Φ145	Φ122	20	8-Φ18	3	182	230	12
80	3"	310	Φ200	Φ160	Φ138	20	8-Φ18	3	201	256	16
100	4"	350	Φ220	Φ180	Φ158	22	8-Φ18	3	238	303	21
125	5"	400	Φ250	Φ210	Φ188	22	8-Φ18	3	275	347	32
150	6"	480	Φ285	Φ240	Φ212	24	8-Φ22	3	326	420	40
200	8"	600	Φ340	Φ295	Φ268	26	12-Φ22	3	395	510	75
250	10"	730	Φ405	Φ355	Φ320	26	12-Φ26	3	385	560	90
300	12"	850	Φ460	Φ410	Φ378	28	12-Φ26	4	427	630	150
350	14"	980	Φ520	Φ470	Φ438	30	16-Φ26	4	526	725	260
400	16"	1100	Φ580	Φ525	Φ490	32	16-Φ30	4	574	840	390

Y Strainer DIN For Water Series PN25

DN	NPS	L	D	D1	D2	B	N-φ	F	H	C	Weight (Kg)
25	1"	165	Φ115	Φ85	Φ68	16	4-Φ14	2	105	145	3.8
32	1 1/4"	200	Φ140	Φ100	Φ78	18	4-Φ18	2	131	180	5.6
40	1 1/2"	200	Φ150	Φ110	Φ88	18	4-Φ18	3	151	193	6.9
50	2"	230	Φ165	Φ125	Φ102	20	4-Φ18	3	165	207	9
65	2 1/2"	290	Φ185	Φ145	Φ122	22	8-Φ18	3	182	230	13
80	3"	310	Φ200	Φ160	Φ138	24	8-Φ18	3	201	256	17.5
100	4"	350	Φ235	Φ190	Φ162	26	8-Φ22	3	238	303	23
125	5"	400	Φ270	Φ220	Φ188	28	8-Φ26	3	275	347	34
150	6"	480	Φ300	Φ250	Φ218	30	8-Φ26	3	326	420	43
200	8"	600	Φ360	Φ310	Φ278	32	12-Φ26	3	395	510	79
250	10"	730	Φ425	Φ370	Φ335	32	12-Φ30	3	385	560	95
300	12"	850	Φ485	Φ430	Φ395	34	16-Φ30	4	427	630	160
350	14"	980	Φ555	Φ490	Φ450	38	16-Φ33	4	526	725	273
400	16"	1100	Φ620	Φ550	Φ505	40	16-Φ36	4	746	840	405

Y Strainer Flow Rate Vs. Pressure Drop :

(Clean Screen)



ORDERING CODE:

Example: YS-212-1000

Y Trainer GG25 Ductil Iron + Epoxy Paint Body

SS304 Interior

Mesh20

PN25

Size 10"

Available Body Material Code:

Cast Iron: 1

Ductil Iron: 2

WCB Cast Steel: 3

Available Interior Material Code:

SS304 CF8 Stainless Steel: 1

SS316 CF8M Stainless Steel: 2

Available Class

PN16: 1

PN25: 2

PN40: 3

Available Size Code:

2": 200

2 1/2": 250

3": 300

4" 400

5": 500

6": 600

8": 800

10": 1000

12": 1200

14": 1400