

Fabricated Simplex Strainers

Design Code ASME SEC. V III DIV.1

Model FSS SIMPLEX

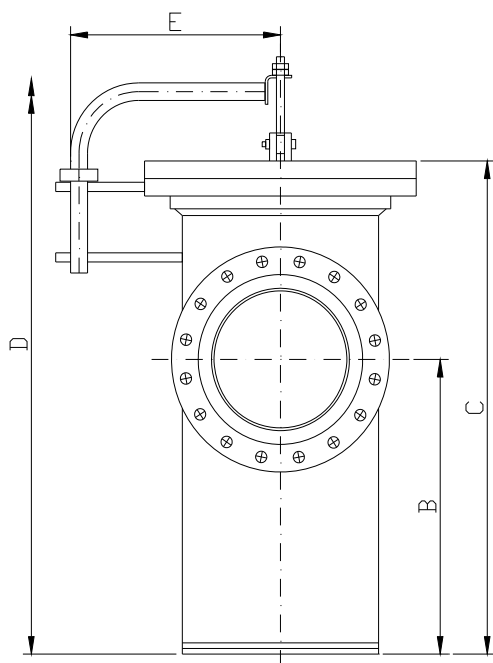
K-Flow

Filters & Strainers

FABRICATED SINGLE STRAINERS

A range of fabricated single basket strainers designed to complement the cast simplex filters for larger pipe sizes. The welded construction allows units to be designed for any application with respect to flow, pressure, material, design code etc.

Vessel configuration and closure can be arranged to suit client preference but a range of standard designs are available as illustrated below.



Design Pressure:	Up to 16 Bar G
Corrosion Allowance:	3mm
Flanges:	ANSI B16.5 150/300RF
Design Code:	ASME sec. V III. Div.1
Test Pressure:	15, 30 Bar G
Typical materials of construction: (or equivalent, depending on availability)	
Body and Cover:	ASTM A516-70
Flanges:	ASTM A105
Pipe:	ASTM A106
Basket & screen:	Stainless steel A240-304/316/316L

OPTIONS

- **Body/ Basket materials** –Stainless Steel 304/316/316L , Duplex , Titanium , Hastelloy , Monel , Nickel ,etc.
- **Bolted cover or quick opening closure**
- **Radiograph record**
- **Custom design to suit your requirements**
- **Independent inspection report**
- **20,40,60,80 ,100,120mesh**

COARSE STRAINERS (Basket area 7 times pipe cross sectional area)						
SIZE	A	B	C	D	E	TYPICAL WATER FLOW (m ³ /hr)§
4" -100mm	440	290	510	920	---	40
6" -150mm	500	350	590	1120	---	60
8" - 200mm	600	420	703	1290	309	390
10" - 250mm	650	665	1000	1910	340	430
12" - 300mm	700	665	1055	1975	405	735
14" - 350mm	750	665	1055	1975	405	765
16" - 400mm	900	765	1185	2270	430	970
18" - 460mm	1000	825	1275	2390	500	1340
20" - 500mm	1140	875	1400	2700	565	1500
24" - 600mm	1300	919	1700			2400
26" - 650mm	1400	1020	1700			2500

§ Typical water flow which results in clean pressure drop of 0.05Kg/cm²(0.71PSI). Refer to K-flow for confirmation of pressure loss on your specific conditions.

Contact K-flow for sizing.

Our policy is one of continuous improvement and we reserve the right to alter any details of our products at any time without giving notice.

K-Flow Filters

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Model No. Description.

$\frac{FSS}{1} \frac{A}{2} - \frac{10F}{3} - \frac{150}{4} - \frac{6L}{5} - \frac{SPW}{6} - \frac{N}{7} - \frac{150}{8}$

1. **Strainer**

FSS-Fabricated simplex basket strainer

2. *A –Inline no legs*

B –Inline with legs

C –Inline with legs and headlift

D –Offline no legs

E –Offline with legs

F –Offline with legs and headlift

3. **Flanged**

3/4" = 3/4F 1" = 1F 2" = 2F 3" = 3F 6" = 6F ETC.

4. **Pressure & Temperature Rating**

ANSI 150LB = 150 300LB = 300 600LB = 600

5. **Housing Material**

C = Carbon Steel

CLR = Carbon Steel w/ Rubber lining

S = 304 Stainless steel

S316 = 316 Stainless steel

4L = 304L Stainless steel

6L = 316L Stainless steel

6. **Cover Seal**

B = Buna-N

E = EPDM

V = VTION

TEV - Teflon encapsulated Viton

TSW – Teflon solid white

EN = Teflon encapsulated non-asbestos

SPW – Spiral wound gasket

7. **ASME Code Stamp**

C = Code stamp

N = None stamped

G = GB160

8. **Mesh Size**

40 = 40 Mesh ,etc