



# Fabricated Single Strainer



## FABRICATED SINGLE STRAINER

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 requirements and design code. Vessel configuration and closure can be arranged to suit client preferences and a range of standard designs are available.

**SPX Process Equipment**

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## SPECIFICATIONS

Design Pressure	10 BARG @ 38°C
Corrosion Allowance	1.6mm
Flanges	ASME B16.5 150RF or BS4504 PN 10
Design Code	Commercial Standard
Test Pressure	15 BARG

## TYPICAL MATERIALS OF CONSTRUCTION

(or equivalent, depending on availability)

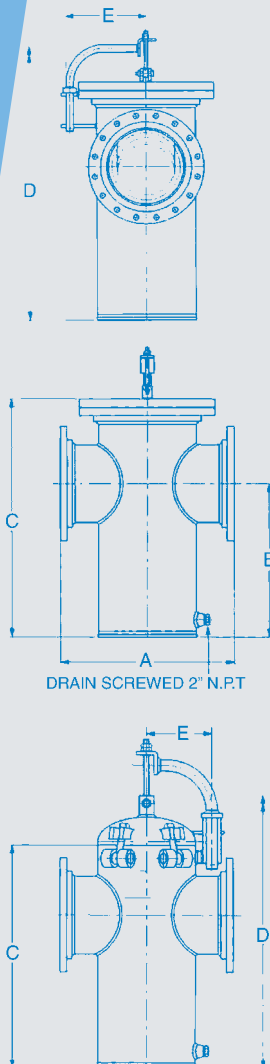
Body and Branches	ASTM A106 GRB
Flanges	ASTM A105
Flat plate	ASTM A516 GR60

## OPTIONS

- Construction to PD5500, ASME VIII
- Body materials - stainless steel or special alloys
- Suitable for any pressure or pipe size
- Various quick release cover designs available
- Custom design to suit requirements

## FEATURES

- Welded steel single baskets filter units designed to increase the capacity and maximum pipe size available in the cast product range
- Fabricated design allows options of bolted or quick release covers to be selected and easy adaptation to suit customer requirements for materials and design conditions
- Sizes from 6" to 20" NB flanged or butt weld connections.
- Materials fabricated from carbon steel and standard or stainless steel to special order, all fitted with baskets and inserts as required



## COURSE STRAINERS (Baskets area 7 times pipe cross sectional area)

Size	A	B	C	D	E	Typical water flow (M3/hr)*
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

## FINE STRAINERS (Baskets area 9 times pipe cross sectional area)

Size	A	B	C	D	E	Typical water flow (M3/hr)*
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	765	1185	2270	430	920
16" - 400mm	900	825	1275	2390	500	1280

## ALTERNATIVE DIMENSION FOR UNIT WITH HINGED T BOLT CLOSURES

Size	COURSE STRAINERS			FINE STRAINERS		
	C	D	E	C	D	E
8" - 200mm	820	1290	309	820	1290	309
10" - 250mm	1025	1910	340	1025	1910	340
12" - 300mm	1080	1975	405	1080	1975	405
14" - 350mm	1120	1975	405	1120	2270	430
16" - 400mm	1120	2270	430	1327	2390	500
18" - 460mm	1327	2390	500	#	#	#

\* Typical water flow which results in clean pressure drop of 0.2kg/cm<sup>2</sup> (3PSI). Refer to Plenty for confirmation of pressure loss on your specific conditions. # Contact Plenty for sizing.