



SUNGOV ENGINEERING PRIVATE LIMITED



YF Series  
Y Flanged Strainers

## Salient Features

- Compact end-to-end dimension
- Suitable for vertical or horizontal mounting
- Efficient design for low cost
- No fluid bypass (machined seat)

## Design Features

- Single piece cast construction with integral flanges
- Gross filtration area of 7 to 8 times inlet cross section area for low pressure drop
- Tapered retainer cup on cover for tight screen holding and self alignment
- Machined screen seating area in the body
- Drain/blow off connection furnished with plug as standard
- Strainers meet ASME B16.5 & ASME B16.34 requirements
- Blow-out gasket proof design for effective gasket sealing

## Available Materials of Construction\*

- Carbon steel
- Low temperature carbon steel
- Stainless steel

## End Connection

- Flat face Flanged
- Raised face Flanged
- Butt Weld
- RTJ Flanged

## Size Range\*

- 1" to 14"
- #150 to #1500

## Applications

- Process Industry
- Power Industry
- Chemical Industry
- Oil and Gas Industry
- Pulp and Paper Industry
- Metals and Mining Industry
- Water and Waste Management
- Fire Fighting Industry

## Legend

- YFA1 - Y Flanged #150 Carbon Steel Variants
- YFB1 - Y Flanged #300 Carbon Steel Variants
- YFC1 - Y Flanged #600 Carbon Steel Variants
- YFD1 - Y Flanged #900 Carbon Steel Variants
- YFE1 - Y Flanged #1500 Carbon Steel Variants
- YFA2 - Y Flanged #150 Stainless Steel Variants
- YFB2 - Y Flanged #300 Stainless Steel Variants
- YFC2 - Y Flanged #600 Stainless Steel Variants
- YFD2 - Y Flanged #900 Stainless Steel Variants
- YFE2 - Y Flanged #1500 Stainless Steel Variants

\*Consult factory for other materials of construction, sizes and classes.

## Standard Parts List

Parts List	YFA1, YFB1, YFC1, YFD1, YFE1				YFA2, YFB2, YFC2, YFD2, YFE2			
Body & Cover	ASTM A216 Gr.WCB	ASTM A216 Gr.WCC	ASTM A352 Gr.LCB	ASTM A352 Gr.LCC	ASTM A351 Gr.CF8	ASTM A351 Gr.CF8M	ASTM A351 Gr.CF3	ASTM A351 Gr.CF3M
Screen & Mesh ^	AISI 304		AISI 316		AISI 304	AISI 316	AISI 304L	AISI 316L
Drain Plug	ASTM A105		AISI 316		AISI 304	AISI 316	AISI 304L	AISI 316L
Fasteners	ASTM A193 Gr. B7M/ A 194 Gr.2HM		ASTM A320 Gr.L7M/ A 194 Gr.7M		ASTM A193 Gr. B8MA/A194 Gr.8MA			
Gasket	YFA1, YFB: Flat Asbestos Free YFC1, YFD1, YFE1: Spiral Wound Asbestos Free				YFA2, YFB2: Flat Teflon YFC2, YFD2, YFE2: Spiral Wound Teflon			

### Notes:

1. The list is indicative of our standard offerings.It is subject to change
2. Material combinations other than mentioned above can also be offered.Consult factory

### Optional Accessories and Spares

1. Differential pressure indicator/inlet and outlet pressure gauges to indicate clogged screen(time for cleaning)
2. Special cover arrangements to ease maintenance operation
3. Spare screens, gaskets and fasteners to reduce process downtime

^Mesh size is based on customers requirement



## How to Order - General

1 Size of Strainer	2 Type of Strainer	3 End Connection	4 ASME Pressure Rating	5 Material of Construction	6 Special / Other
<ul style="list-style-type: none"> <li>• 1/4" &amp; larger</li> </ul>	<ul style="list-style-type: none"> <li>• Y - Type</li> <li>• Basket Type</li> <li>• Tee Type</li> <li>• Wafer Type</li> <li>• Temporary</li> <li>• Duplex Basket Type</li> </ul>	<ul style="list-style-type: none"> <li>• Raised Face</li> <li>• Flat Face</li> <li>• RTJ (Ring Joint)</li> <li>• NPT Screwed</li> <li>• Socket Weld</li> <li>• Butt Weld</li> <li>• Wafer Flat Face</li> </ul>	<ul style="list-style-type: none"> <li>• #125</li> <li>• #150</li> <li>• #300</li> <li>• #600</li> <li>• #900</li> <li>• #1500</li> <li>• #2500</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon Steel</li> <li>• Low temp Carbon Steel</li> <li>• Stainless Steel</li> <li>• Other Alloy Steel</li> </ul>	<ul style="list-style-type: none"> <li>• Nace Compliance</li> <li>• Special N.D.E.</li> <li>• PED 97/23/EC (CE Mark) Compliance</li> <li>• Other Special</li> </ul>

## How to Order - Custom

Designing a strainer to suit your requirement is our foremost priority. Help us serve you better by providing us with the following details:

**PHOTOCOPY THIS PAGE, FILL IT UP AND SEND IT TO US FOR YOUR REQUIREMENT**

Description	Value
Size of Strainer Required	
Type of Strainer Required	
End Connection Required	
ASME Pressure Rating Required	
Fluid Viscosity	
Fluid Specific Gravity	
Design Pressure	
Design Temperature	
Design Fluid Flow Rate	
Desired Pressure Drop (Clean)	
Desired Pressure Drop (50% Clogged)	
Desired Material of Construction	
Desired Filtration Level (Mesh Size)	
Desired NDT (RT, LPT, MT, PAMI)	
Special Code/Standard Compliance (if any)	
Clearance Limitations (if any)	
Other Inspection/Testing Services (if any)	
Other Remarks (if any)	



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