"Y" (Wye) Strainer • Flanged Ends, Raised Face

TITAN TITAN FLOW CONTROL, INC.

ASME CLASS 1500 • Carbon and Stainless Steel

MODELS: YS 68-CS (Carbon Steel)
YS 68-SS (Stainless Steel)

Sizes: 2" ~ 8"

Features

◊ RUGGED - HIGH QUALITY DESIGN
TITAN™ unit YS68 is ideal for petrochemical and other demanding industrial applications that have higher pressure and temperature requirements. This unit employs heavy gauge, reinforced screens to prevent damage to the straining element. Bolt holes are also back or spot faced and the outside diameters of the flanges are machined for precision.

◊ LARGE STRAINING CAPACITY
With its large body and sizable straining element, the YS68 provides excellent open area ratios that are typically two-and-a-half times larger than the corresponding pipeline.

◊ PRECISION MACHINED SEATS
Precision machined screen seats in both the body and cap help to ensure accurate positioning of the screen during reassembly after cleaning. Also, the machined body seats enable finer filtration by preventing debris bypass.

◊ ENCAPSULATED "CG" STYLE GASKET
The "CG" style cover gasket provides additional radial strength to prevent gasket blowout. It also acts as a compression stop.

◊ SELF-CLEANING CAPABILITY
With the optional socket weld blow-off connection, this unit can be fitted with a blow-down valve which facilitates cleaning of the straining element. Please contact factory for more information.

◊ EPOXY PAINTED
Carbon units are epoxy painted to help resist rust and corrosion. TITAN FCI also offers epoxy coating. Please contact factory for more information.

Technical

Pressure/Temperature Rating
CS - ASTM A216 GR. WCB - Class 1500
WOG (Non-shock): 3705 PSI @ 100 °F

PRESSURE/TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 1500
WOG (Non-shock): 3600 PSI @ 100 °F

- The above listed temperatures are theoretical and may vary during actual operating conditions.
- Carbon Steel not recommended for prolonged use above 800 °F.
- Stainless Steel not recommended for prolonged use above 1000 °F.

Applications

Carbon Steel Properties: Carbon steel performs exceptionally well in high temperatures, up to 800°F in continuous service. It provides high resistance to shock, vibration, piping strains, and fire and freezing hazards. Carbon steel strainers are often used in the oil and petrochemical industries.

Stainless Steel Properties: Stainless steel is commonly specified for high temperature service, up to 1000°F in continuous service. Stainless steel strainers are commonly found in the chemical, food, and pharmaceutical industries.

The above data represents common market and service applications. No representation or guarantee, expressed or implied, is given due to the numerous variations of concentrations, temperatures and flow conditions that may occur during actual service.

TITAN® FLOW CONTROL, INC.
YOUR PIPELINE TO THE FUTURE!

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290 Corporate Drive PO Box 7408 Lumberton, NC 28358
BILL OF MATERIALS (1)

<table>
<thead>
<tr>
<th>No.</th>
<th>PART</th>
<th>YS 68-CS (3)</th>
<th>YS 68-SS</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Carbon Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A216 Gr. WCB</td>
<td>A351 Gr. CF8M</td>
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<tr>
<td>2</td>
<td>Cover</td>
<td>Carbon Steel</td>
<td>Stainless Steel</td>
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<tr>
<td></td>
<td></td>
<td>A216 Gr. WCB</td>
<td>A351 Gr. CF8M</td>
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<tr>
<td>3</td>
<td>Straining Element (2)</td>
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<td>4</td>
<td>Gasket (2)</td>
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<td>5</td>
<td>Studs</td>
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<td>6</td>
<td>Nuts</td>
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1. Bill of Materials represents standard materials. Equivalent or better materials may be substituted at the manufacturer's discretion.
2. Denotes recommended spare parts.
3. Carbon Steel bodies are epoxy painted.

DIMENSIONS AND PERFORMANCE DATA (1)

<table>
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<tr>
<th>SIZE</th>
<th>in</th>
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<th>3</th>
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<tr>
<td></td>
<td>mm</td>
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<td>65</td>
<td>80</td>
<td>100</td>
<td>150</td>
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<td>A DIMENSION FACETO FACE (2)</td>
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<td>16.5</td>
<td>C/F</td>
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<td>32.5</td>
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<tr>
<td></td>
<td>mm</td>
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<td>C/F</td>
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<td>572</td>
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<td>914</td>
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<td>C/F</td>
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<td>605</td>
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<td>C DIMENSION SCREEN REMOVAL</td>
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<td>C/F</td>
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Flow Coefficient \( C_v \): 60 C/F 140 180 450 650

1. Dimensions and weights are for reference only. When required, request certified drawings.
2. Face to face values have a tolerance of ±0.06 in (±2.0 mm) for sizes 10" and lower.
3. Contact factory before ordering a 2-1/2" YS-68 to get dimensions and performance data.

ADDITIONAL DESIGN & TECHNICAL NOTES:

- Ring Type Joints (RTJ) are available. Please contact factory.
- An optional socket weld blow-off is available. Please contact factory.
- NPT blow-offs are not recommended for ASME Class1500 strainers.
- Bodies are also available in high temperature steel A217 Gr. WC6 and WC9. Please contact factory.

As Titan product changes occur, there may be short-term differences between actual product specifications and the information contained within our literature. Titan FCI reserves the right to make design and specification changes to improve our products without prior notification. When required, request certified drawings. Titan is a registered trademark of Titan Flow Control Incorporated.