"Y" (WYE) STRAINER • FLANGED ENDS, RAISED FACE
ASME CLASS 600 • CARBON AND STAINLESS STEEL

MODELS:  
YS 64-CS  
(CARBON STEEL)  
YS 64-SS  
(STAINLESS STEEL)

FEATURES

NEW DESIGN WITH GAUGE TAPS
TITAN® UNIT YS64 HAS CONVENIENT GAUGE TAPS FURNISHED WITH A PLUG ON BOTH THE INLET AND OUTLET SIDES OF SIZES 2" THROUGH 12". THESE TAPS ALLOW FOR EASY INSTALLATION OF PRESSURE GAUGES TO MONITOR DIFFERENTIAL PRESSURE AND DETERMINE WHEN SCREEN CLEANING IS NECESSARY.

LARGE STRAINING CAPACITY
WITH ITS LARGE BODY AND SIZABLE STRAINING ELEMENT, THE YS64 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.

SELF-CLEANING CAPABILITY
WITH A TAPPED NPT 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 STEEL UNITS ARE EPOXY PAINTED TO HELP RESIST RUST AND CORROSION. TITAN FCI ALSO OFFERS EPOXY COATING AS AN OPTION FOR THE YS64.

OPTIONAL COVER DESIGNS
TITAN UNIT YS64 IS AVAILABLE WITH DIFFERENT COVER OPTIONS INCLUDING SWING, CLAMP, AND HINGE TYPE COVERS. PLEASE CONSULT FACTORY FOR MORE INFORMATION ON THESE OPTIONS.

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.

TECHNICAL

PRESSURE/TEMPERATURE RATING
CS - ASTM A216 GR. WCB - CLASS 600

WOG (Non-shock): 1480 PSI @ 100 °F

PRESSURE/TEMPERATURE RATING
SS - ASTM A351 GR. CF8M - CLASS 600

WOG (Non-shock): 1440 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

TITAN® FLOW CONTROL, INC.
YOUR PIPELINE TO THE FUTURE!
Tel: 910-735-0000 • Fax: 910-738-3848 • titan@titanfci.com • www.titanfci.com
290 Corporate Drive • PO Box 7408 • Lumberton, NC 28358
**WYE STRAINER**

**YS 64-CS** - (Carbon Steel)
**YS 64-SS** - (Stainless Steel)

Flanged Ends • Raised Face • Carbon & Stainless Steel

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### BILL OF MATERIALS (1)

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<thead>
<tr>
<th>No.</th>
<th>PART</th>
<th>YS 64-CS</th>
<th>YS 64-SS</th>
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<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Carbon Steel A216 Gr. WCB</td>
<td>Stainless Steel A351 Gr. CF8M</td>
</tr>
<tr>
<td>2</td>
<td>Cover</td>
<td>Carbon Steel A216 Gr. WCB</td>
<td>Stainless Steel A351 Gr. CF8M</td>
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<tr>
<td>3</td>
<td>Straining Element (2)</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>4</td>
<td>Gasket (3)</td>
<td>Stainless Steel Spiral Wound</td>
<td>Stainless Steel Spiral Wound</td>
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<tr>
<td>5</td>
<td>Studs</td>
<td>Alloy Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>6</td>
<td>Nuts</td>
<td>Alloy Steel</td>
<td>Stainless Steel</td>
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<tr>
<td>7</td>
<td>NPT Plug Blow-off</td>
<td>Carbon Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>8</td>
<td>NPT Plug Gauge Taps(4)</td>
<td>Carbon Steel</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

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.
4. A wide range of gasket materials are available; contact factory.
5. Part number 8 (NPT Plug - Gauge Taps) only applies to sizes 2" through 12".

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### PRESSURE - TEMPERATURE RATINGS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>in</th>
<th>1/2</th>
<th>3/4</th>
<th>1</th>
<th>1 1/4</th>
<th>1 1/2</th>
<th>2</th>
<th>2 1/2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
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<tbody>
<tr>
<td></td>
<td>mm</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>32</td>
<td>40</td>
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<td>80</td>
<td>100</td>
<td>125</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
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**ASSEMBLED WEIGHT APPROXIMATE**

<table>
<thead>
<tr>
<th>Size</th>
<th>lb</th>
<th>kg</th>
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<tbody>
<tr>
<td>1/2&quot; - 4&quot;</td>
<td>7.5</td>
<td>3.4</td>
</tr>
<tr>
<td>5&quot; - 8&quot;</td>
<td>10.0</td>
<td>4.5</td>
</tr>
<tr>
<td>10&quot; - 12&quot;</td>
<td>13.5</td>
<td>6.1</td>
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**SCREEN SELECTION GUIDELINES**

<table>
<thead>
<tr>
<th>Size</th>
<th>Liquid</th>
<th>Open Area</th>
<th>Steam</th>
<th>Open Area</th>
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<tbody>
<tr>
<td>1/2&quot; - 4&quot;</td>
<td>1/16 (0.0625)</td>
<td>41%</td>
<td>1/32 (0.033)</td>
<td>28%</td>
</tr>
<tr>
<td>5&quot; - 8&quot;</td>
<td>1/8 (0.125)</td>
<td>40%</td>
<td>3/64 (0.045)</td>
<td>36%</td>
</tr>
<tr>
<td>10&quot; - 12&quot;</td>
<td>1/8 (0.125)</td>
<td>40%</td>
<td>30 Mesh Lined</td>
<td>44.8%</td>
</tr>
</tbody>
</table>

**REFERENCED STANDARDS & CODES**

- **ASME B16.5** - Pipe Flanges and Flanged Fittings
- **ASME B16.34** - Flanged, Threaded, and Welding End

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Illustrations are representative of sizes 2" through 12" only. Please ask for certified drawings when required.