Steam-Trac ST-450
Direct Reading Steam/Water Level Gage
For 450 PSI Working Steam Pressure (WSP)

- Fully compliant with ASME as a Direct Reading Water Gage
- Multiple sections with minimum 1” overlap
- Spring washers for constant torque
- Recessed gasket face in chamber and cover
- Custom built per specifications
- Studs, nuts and washers are nickel plated
- High temperature coating

Steam-Trac ST-450 steam gages are ruggedly built to set the industry standard for reliability. All material and construction standards are within strict compliance of ASME section 1 code requirements.

The Steam-Trac ST-450 can be configured to replace less durable, more expensive competitive models or for specific construction products. Visible range must be achieved by using multiple sections with a minimum 1” overlap to ensure continuous visibility, as required by ASME Section 1, PG-60.

**Standard Materials**
- Chamber: A-696, Grade C Carbon Steel
- Gasket: Grafoil® GHR
- Shield: HQ Mica
- Glass: Tempered Borosilicate
- Cover: Forged Carbon Steel
- Washers: 17-7PH Stainless Steel, Nickel Plated
- Studs: A193-B7, Nickel Plated
- Nuts: A194-2H, Nickel Plated

### Single Section Gages

<table>
<thead>
<tr>
<th>Visible Glass</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>9 1/8</td>
<td>232</td>
</tr>
<tr>
<td>10 1/4</td>
<td>260</td>
</tr>
<tr>
<td>11 7/8</td>
<td>302</td>
</tr>
<tr>
<td>12 5/8</td>
<td>321</td>
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</table>

### Multiple Section Gages

<table>
<thead>
<tr>
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<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>17 1/4</td>
<td>438</td>
</tr>
<tr>
<td>19 1/2</td>
<td>495</td>
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<td>55 3/8</td>
<td>1407</td>
</tr>
<tr>
<td>59 1/8</td>
<td>1502</td>
</tr>
</tbody>
</table>
ST-450 STEAM-TRAC DIRECT READING STEAM/WATER GAGES

ST - 450 - 74 - TB - 06 - S

Connection Location
TB = Top/Bottom Connected
SS = Side/Side Connected
SB = Top Side/Bottom End Connected
TS = Top End/Bottom Side Connected

Connection Type
T = Threaded
S = Socket Weld
U = Uniflex Union
F = Flanged
N = 304 SS Stuffing Box Nipples
L = Expansion Loop

Dimensional Information Required:

A = Steam Water Centers
B = Visible Range
C = Start of Visibility

The minimum size of a single insert is 9 ¼” visibility. Standard size 6 glass.

Gage inserts can be mounted on a center tie-tube to meet any visible range requirement.

Connection Size
04 = ½”
06 = ¾”
08 = 1”
12 = 1 ½”
16 = 2”

Maximum Operating Steam Pressure
Steam Water Connection Size and Type
Other Plant Piping Tie-Ins
Gage Valve Requirements

ISO 9001:2008
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