

ST-300 STEAM-TRAC DIRECT READING STEAM/WATER GAGES

For 300 PSI Working Steam Pressure (WSP)

- Fully compliant with ASME as a Direct Reading Water Gage
- Multiple sections, continuous one-piece chamber
- Spring washers for constant torque
- Recessed gasket face in chamber and cover
- Custom built per specifications
- Bolts, nuts and washers are yellow cadmium plated
- High temperature coating

The Steam-Trac ST-300 is designed specifically for steam service to 300 PSI. The reflex borosilicate glass has prisms molded into the process side which will display black for water and white for steam.

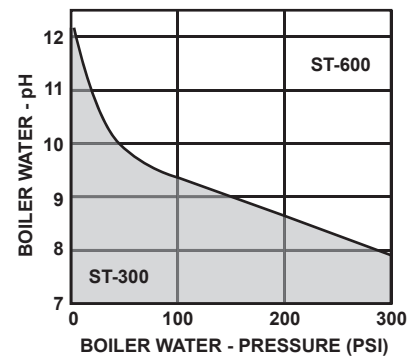
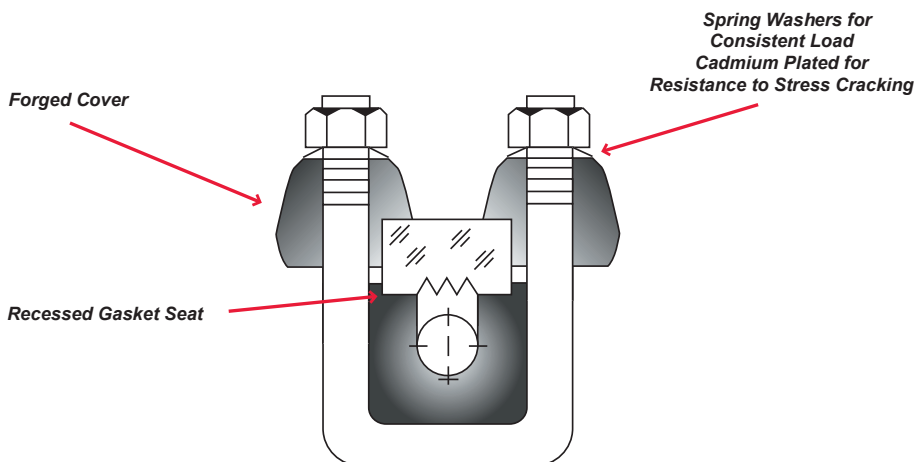
All connections and materials fully comply with ASME requirements, and the gage may be used as a Direct Reading Sight Glass for compliance to ASME PG-60. Since water appears completely different than steam, it is not necessary to have overlapping sections. Multiple section gages will have a continuous chamber constructed of a single piece of bar.

Recessed gasket seats and a forged cover make the ST-300 easy and inexpensive to maintain. Live-loading with spring washers is standard and will ensure maintenance of original torque value in cyclic conditions.



Standard Materials

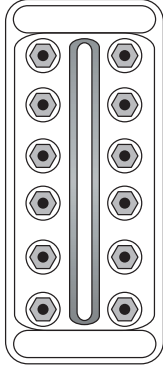
- Chamber: A-105, Carbon Steel
- Gasket: Grafoil® GHR
- Glass: Tempered Borosilicate
- Cover: Forged Carbon Steel
- Washers: 17-7 PH Stainless Steel, Cadmium Plated
- U-Bolts: A193-B7, Cadmium Plated
- Nuts: A194-2H, Cadmium Plated



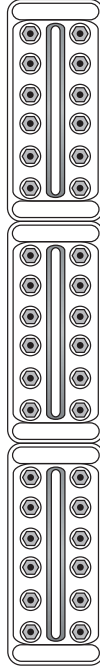
As feedwater is often treated to raise pH, the graph above should be consulted for the specific application. For the white area of the graph, we recommend using mica protected transparent glass (See Model ST-600).

STEAM-TRAC ST-300 STEAM/WATER GAGES - 300 PSI WSP

Single Section



Multiple Section
with Continuous Chamber



Model	Visible Glass	
	inches	mm
ST-300-41	6 3/4	171
ST-300-51	7 7/8	200
ST-300-61	9 1/8	232
ST-300-71	10 1/4	260
ST-300-81	11 7/8	302
ST-300-91	12 5/8	321
ST-300-42	15	381
ST-300-52	17 1/4	438
ST-300-62	19 3/4	502
ST-300-72	22	559
ST-300-82	25 1/4	641
ST-300-92	26 3/4	679
ST-300-43	54 3/4	1391
ST-300-53	62 1/4	1581
ST-300-63	30 3/8	772
ST-300-73	33 3/4	857
ST-300-83	38 5/8	981
ST-300-93	40 7/8	1038

Connection Location

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

Model Number:

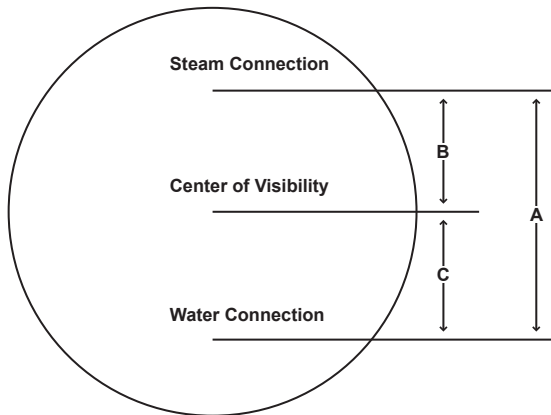
ST - 300 - 74 - **TB** - **06** - **N**

Connection Size

04 = 1/2"
 06 = 3/4"
 08 = 1"

Connection Type

T = Threaded
 S = Socket Weld
 U = Union
 F = Flanged
 N = 304 SS Stuffing Box Nipples
 (3/4" Top/Bottom Only)



Dimensional Information Required:

- A = Steam Water Centers
 Please indicate any valve or expansion loop requirements.
 And
 B = Center of Visibility to Steam Connection
 Or
 C = Center of Visibility to Water Connection

The following information is required for prompt, accurate cost quotations and order processing:

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