Gage Assemblies for Process Steam Applications to 1500 W.S.P.

- High Safety Factor
- Less Danger of Mechanical Damage
- Constructed for Long Trouble-Free Service

Jergson Process Steam Gage assemblies are designed for use on heat exchangers, steam traps, condensers and similar pressure vessel applications. They are not intended for use on boilers for ASME Sec. I code applications. See separate sheet for boiler drum water level gages.

On all gages for steam or condensate service over 300 WSP, gage glasses are protected by mica shields. This protects the glass from the corrosive and erosive effects of the boiler water and extends the service life of the glass.

Liquid Level Gages and Valves for the Power and Process Industries
SERIES PS LIQUID LEVEL GAGES

For pressures in the 600 WSP range, most operators prefer to see no threaded connection between the flanged vessel connection and the valve seat. The No. 67 valves illustrated have this feature. The vertical rising ballcheck is downstream from the seat providing accessibility without the necessity of disassembling the valve.

When multiple section gages are used, expansion loops are suggested to relieve piping strain.

NOTE: Pressure 600 WSP and above have spiral wound gasketed union gage connections.

STEAM RATINGS

The steam ratings tabulated in the bulletin are based on an operating temperature no higher than 25°F more than the saturation temperature of the steam pressure at which the gage is rated. It has been determined that although operating temperatures in the shell of the vessel may be much higher, the temperature of the steam rarely goes as high as 25°F over saturation temperature at the point of installation of the gage.

INSTALLATION CONSIDERATIONS

When installing multi-section gages on steam service, it is necessary to allow for differential expansion which may occur between the vessel and the gage assembly. Expansion, if not compensated for, can cause severe stresses in the equipment and at connections. The use of expansion loops is recommended. On Jerguson Process Steam Gage assemblies for 750 WSP and higher, expansion loops are furnished integral with the gage chamber.

The 1500 WSP design includes a stack of spring washers under each cover nut to maintain the necessary torque, without regard to operating temperatures or gasket compression.