



Certificate of Compliance – Rectangular Weld Pad Gage (RWA/TWA)

Customer Name: xxx

Customer PO ID: xxx

Inferno Sales Order ID: xxx

Inferno Mfg Corp certifies that the product listed below was designed and manufactured according to "Inferno Mfg Corp Quality Control Manual for Shop Fabrication of Fittings in Accordance with ASME Section VIII Div. 1." It is the vessel designer's responsibility to insure that the vessel is adequately reinforced and that the glass bearing surface of weld pad remains flat in the as-welded and pressure-loaded condition.

Pressure ratings are based on calculations of maximum allowable stress in pad, cover and bolting material according to ASME B&PV Code, Section VIII. Pressure rating shown below assumes correct installation in accordance with Inferno Installation Instructions (I93518) and Design Guide (M101498 Rev 2.1). Limit on out-of-flatness is calculated by consideration of maximum allowable bending strength of the glass.

Vessel fabricator shall insure that glass seating surface after welding is flat within limits established by level gage and gage glass manufacturers, and remains flat after vessel is pressurized. Only minimal warpage due to welding is allowed. Glass seating surface is subject to further deflection caused by change of shape in the vessel shell due to internal pressure. Deflections of seating surface due to welding warpage and due to internal pressure can be additive and must be considered together. Maximum permissible out-of-flatness ranges from .002" for shorter sizes to .005" for longer glass sizes. Consult Design Guide M101498 Rev 2 for more information.

Model: xxx

Serial No.: xxx

Design Pressure @ 100°F: xxx

Pressure Rating is not stamped on name plate because Inferno has no control over final vessel loading imposed on weld pad gage

PAD MATERIAL TRACEABILITY

Specification:

Vendor:

Inferno House Code:

Inferno Work Order ID:

Mill Heat No.:

Authorized Signature: _____

Date: _____