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**For Immediate Release**

## **L.J. Star's Metaglas® Type 61 Sight Glass Products Comply with Newly Revised ASME Standard**

**Glass bull's-eye water level indicators now can be used in electric boilers**



Twinsburg, Ohio – September 12, 2012 – L.J. Star has announced its Metaglas® Type 61 [sight glass](#) products are compliant with the recently revised ASME (founded as the American Society of Mechanical Engineers) standard for electric boilers, Section I PEB-13, Water Gages. The revised ASME standard now allows manufacturers of boilers with a diameter of 16" or smaller to use a bull's-eye-type fused sight glass window instead of the traditional tubular sight glass for observation of the water level in the boiler.

The ability to observe the water level in a boiler accurately is critical to ensuring safe operation and preventing boiler explosions. In addition, the bull's-eye-type fused sight glass window offers significantly higher durability compared to externally-mounted tubular sight glass. By avoiding fragile and exposed glass components that are more susceptible to damage, the potential rupture of water level sight glasses is greatly reduced, which helps prevent the contamination of products in food processing environments.

L.J. Star's Metaglas Type 61 sight glass products offer boiler manufacturers greater design and manufacturing flexibility, helping them to control their costs. ASME-compliant fused sight glass windows like these offer boiler manufacturers a variety of advantages over traditional tubular sight glasses:

- **Simpler manufacturing.** With the bull's-eye design, boiler manufacturers only need to inventory one part, which is designed for fast, simple installation. Metaglas sight glass products are designed to screw into the vessel with no need for external mounts or gaskets.

- **Less risk of contamination.** Compared to tube-style sight glass designs, Metaglas sight glass products reduce the risk of contamination, which is especially critical in food processing and pharmaceutical applications.
- **Greater safety.** Fused sight glass windows offer greater impact resistance, higher overpressure tolerance, and greater resistance to thermal shock.
- **Higher erosion and corrosion resistance.** Fused sight glasses constructed of borosilicate glass, like Metaglas products, provide improved resistance to erosive and corrosive chemicals.

With its unmatched strength and integrity, L.J. Star's Metaglas sight glass products can replace conventional glass in many applications including circular assemblies for welding onto vessels, weld neck and nozzle flanges, and visual flow indicators. Metaglas is made by melting borosilicate glass inside a metal frame, which results in the fusion of glass and metal. It helps to improve safety, while preventing the incurred expense and inconvenience of unscheduled plant shut downs.

To learn more about L.J. Star's full line of sight glass products, visit: <http://www2.ljstar.com/l/12112/2012-08-21/3hrrd>.

#### **About L.J. Star**

L.J. Star Incorporated provides an extensive line of process observation equipment -- sightglasses, lights, sanitary fittings, and level gage instrumentation. Product lines include Metaglas® Safety Sight Windows, Lumiglas® Explosion Proof Lights and Cameras, Visual Flow Indicators, Sight Ports, Sanitary Clamps, Magnetic Level Gages and Gage Glass. Metaglas is the #1 selling fused sightglass, proven in thousands of installations around the world. Unlike some other sightglasses, it meets stringent DIN 7079 and DIN 7080 quality standards, and it is approved for USP Type I use. For additional information, or to request third-party documentation of standards compliance and product performance claims, contact L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: 330-405-3040. Fax: 330-405-3070. Email: [view@ljstar.com](mailto:view@ljstar.com). Website: [www.ljstar.com](http://www.ljstar.com).

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