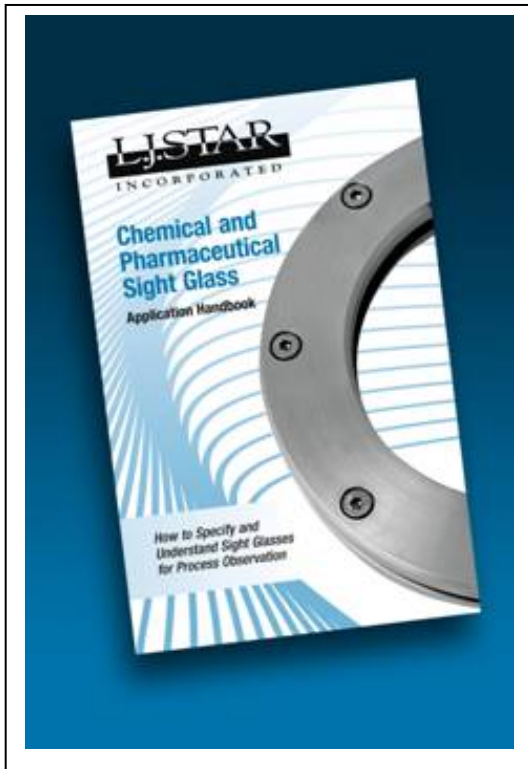


## Sight Glass Application Handbook Guides Chemical and Pharmaceutical Usage

**March 31, 2008** -- A just-released 20-page application handbook from L.J. Star Inc. provides



extensive technical information and guidelines for the specification, installation and maintenance of [sight glasses](#) in chemical and pharmaceutical processing plants. The illustrated “Chemical and Pharmaceutical Sight Glass Application Handbook” spans the full scope of the subject from descriptions of common glass formulations to design factors, to a step-by-step checklist for installation and maintenance.

Key physical and chemical parameters of various types of glass are explored and related to the needs of processing plants. Primary attention is given to soda-lime glass and borosilicate glass because they are the types most commonly used in industry. The topics of discussion include operating temperature limits, chemical corrosion resistance and pressure tolerance.

After a general introduction to types of glass and their key characteristics, chapters include more detailed discussions of design and application

considerations. These include relative temperature and chemical tolerance, the use of tempered glass, the nature and value of fused-glass, and the key considerations in sight glass design and application. Another section covers the formula for determining necessary sight glass thickness and a review of the critical industry standards for evaluating and specifying sight glasses. Also a section provides information on lighting, including the basic characteristics of various illumination sources and tips on how to determine wattage and orientation. The handbook concludes with a handy checklist for those responsible for installation and maintenance of sight glasses in general.

To download high-resolution image, control-click  
<http://www.ggcomm.com/LJStar/Handbook.JPG>.

To obtain a copy of the L.J. Star Sight Glass Application Handbook, visit the L. J. Star website at [www.ljstar.com/pubs/10.htm](http://www.ljstar.com/pubs/10.htm).

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

L.J. Star Incorporated provides an extensive line of process observation equipment -- sight glasses, 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 sight glass, proven in thousands of installations around the world. Unlike some other sight glasses, 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).