

application report

For: METAGLAS 150#, 300# and 600#

Metaglas® – the most durable, secure glass element available for sight flow indicators and sight windows. Metaglas®, mechanically prestressed windows, provide safe, dependable viewing, well beyond the life of conventional or tempered glass. The patented Metaglas® windows are formed by melting glass (typically borosilicate) into a precisely formed metal ring. As the glass cools it solidifies, and prevents the metal ring from contracting back to its theoretical size at normal temperature. The result is a perfectly uniform seamless, prestressed combination of glass and metal that gives the user excellent optical characteristics as well as improved physical characteristics.

This patented manufacturing gives you a product resistant to temperature and pressure cycling, over-pressurization, impact, bending and erosion. Metaglas®, unlike convention glass, can be reused over and over when doing maintenance on the sight flow or sight window, without risking the integrity of the glass. This gives the user a virtually maintenance free glass element, and relieves the need for replacement glass.

Pressure/Temperature Ratings – Full ANSI Ratings (150#, 300#, 600#). Up to 536°F (279°C)

Available Sizes – for use in sight flow indicators or convention window from 1/4” to 8”. For units larger than 8”, consult factory.

Ring Material – Duplex stainless steel is standard. Optional materials include Hastelloy, Carbon Steel, Nickel and Monel

Glass – Borosilicate

Approvals – FM and TUV