Fused Silica Melting Vessels Molded for Exceptional Performance

Coraopolis, PA … May 28, 2013 … Fused silica is a popular choice of melting vessel material due to excellent thermal and chemical stability, allowing vessels to be used with a wide range of materials that may be subject to rapid temperature changes during processing. However, some manufacturing methods can lead to inconsistent vessels, which risk a much-reduced lifetime, or even failure, during the melting process. To overcome these shortcomings, high-purity fused silica melting vessels from Goodfellow are molded, producing optimal characteristics for demanding melting applications.

Specific features of high-purity molded fused silica melting vessels include:

- Seamless one-piece construction of fully dense material
- Uniform microstructure with isotropic properties
- Nonporous, unreactive internal surface for easy removal of melted material
- High-purity fused silica to minimize the possibility of product contamination
- Long lifetime of the melting vessel

Goodfellow offers high-purity molded fused silica melting vessels in a wide range of sizes, capacities and shapes – including square, cylindrical and rectangular. Custom sizes can also be produced, with current maximum sizes having an outer diameter of 635mm and a height of 400mm.

For more information, go to our Fused Silica Melting Vessels web page or contact Goodfellow at 1-800-821-2870 (US), or ceramic@goodfellow.com.

About Goodfellow

Goodfellow is a leading supplier of metals, polymers, ceramics and other materials to meet the needs of science and industry worldwide. The company specializes in supplying small quantities (a few grams to a few kilos) of metals and materials for research, prototype development and specialized manufacturing applications. Standard products can be found online at the comprehensive Goodfellow Catalog (www.goodfellowusa.com). In addition, through its Ceramic and Glass Division (www.goodfellow-ceramics.com), Goodfellow is able to supply finished ceramic and glass components manufactured to customer drawings.

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