

## Fused Silica Melting Vessels Moulded for Exceptional Performance



Photo caption: High-purity moulded fused silica melting vessels from Goodfellow

**Huntingdon, UK ... 28 May 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 moulded, producing optimal characteristics for demanding melting applications.

Specific features of high-purity moulded 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 minimise the possibility of product contamination
- Long lifetime of the melting vessel

Goodfellow offers high-purity moulded 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 0800 151 3115 (UK), +44 1480 424 888 or [ceramic@goodfellow.com](mailto: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. Standard products can be found online at the comprehensive Goodfellow Catalogue ([www.goodfellow.com](http://www.goodfellow.com)).

The Goodfellow Ceramic and Glass Division ([www.goodfellow-ceramics.com](http://www.goodfellow-ceramics.com)) supplies a comprehensive range of ceramics and glasses to the research and industrial markets either as finished components to customer drawings or in an extensive range of semi-finished forms including sheets, rods and tubes for our customers to machine their own components.

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→ [info@goodfellow.com](mailto:info@goodfellow.com)

