

Fused Silica Melting Vessels Molded for Exceptional Performance



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

Huntingdon, UK ... 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 0800 151 3115 (UK), +44 1480 424 888 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. Standard products can be found online at the comprehensive Goodfellow Catalog (www.goodfellow.com).

The Goodfellow Ceramic and Glass Division (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.

→ www.goodfellow-ceramics.com

→ ceramic@goodfellow.com

USA

Goodfellow Corporation
Tel: +1 800 821 2870
Fax: +1 800 283 2020

France

Goodfellow SARL
Tel: 0800 917 241 (n° vert)
or +44 1480 424813
Fax: 0800 917 313 (n° vert)
or +44 1480 424900

Germany

Goodfellow GmbH
Tel: 0800 1000 579 (freecall)
or +44 1480 424810
Fax: 0800 1000 580 (freecall)
or +44 1480 424900

People's Republic of China

Goodfellow Shanghai Office
Tel: +86 21 6112 1560
Fax: +86 21 6130 4901

UK and all other countries

Goodfellow Cambridge Ltd
Tel: 0800 151 3115 (Freephone)
or +44 (0)1480 424888
Fax: 0800 151 3225 (Freephone)
or +44 (0)1480 424988