

Optitherm Glassware Checklist

1. FLASK INSPECTION

Round bottom flasks used with Optitherm blocks/inserts must be free of star cracks. Flasks cleaned in glass washers can become etched or scratched. This can cause failure if the flask exterior/interior is severely damaged. Etched or severely scratched glassware **SHOULD NOT** be used in Optitherm blocks or inserts.

2. PROPER FIT OF FLASK

It is important to select a round bottom flask that fits properly in the blocks/inserts. This can be accomplished by placing the round bottom flask in the block/insert and rolling it around. If the flask feels tight, binds, scratches the side of the Optitherm, or feels like it is sitting on an edge and not inside, the flask diameter may be too large. Try another flask. Optitherm blocks/inserts have openings that are machined larger than the diameter of the round bottom flasks manufactured by Chemglass. The chart below provides the maximum flask diameter that should be used with Optitherm blocks/inserts.

Flask Capacity	Max Diameter
10mL	32.8mm
25mL	42.8mm
50mL	48.8mm
100mL	62.2mm
200mL	77.3mm
250mL	85.8mm
300mL	88.8mm
500mL	105.0mm
1000mL	132.0mm

