

Technical Information Bulletin

Graphite Crucibles for High Temperature IRMS systems

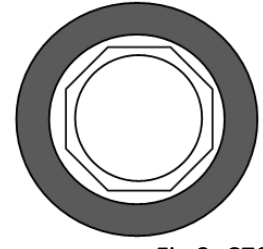
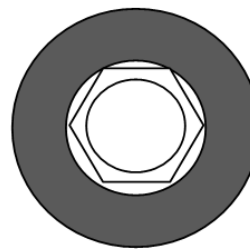
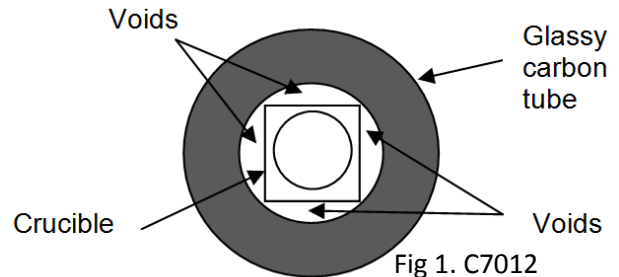
Elemental Microanalysis is pleased to introduce two new Graphite Crucibles for High Temperature IRMS Systems

The original ash crucibles supplied for the Thermo TC/EA system are square and sit inside the 7mm ID glassy carbon tube. This leads to a lot of “wasted space”. See Fig 1

Using a hexagonal crucible reduces this wasted space, allowing a larger internal diameter of the crucible and hence more ash capacity. The chance of the capsule not dropping cleanly into the bore of the crucible is also reduced. See Fig. 2

Increasing the length of the crucible from 30 to 40mm allows a further increase in volume of the crucible, the combined result being a doubling of the volume available for ash collection.

For 9mm ID tubes, we can use an octagonal crucible without restricting the carrier gas flow thus increasing the capacity further. See Fig. 3



These products are available to order from our ISO 9001 factory online, by email, telephone or fax.

Elemental Microanalysis offers extensive knowledge of analysis, 40 years of experience and a worldwide reputation for excellence.

Part Number	Description
C7019	Hexagonal graphite crucible for use in 7mm ID glassy carbon tubes
C7020	Octagonal graphite crucible for use in 9mm ID glassy carbon tubes

Available from your local Dealer:

