

# B18 Thermo\* MS Source Cleaning by S.I.S.™

## Expert Cleaning and Repair of Mass Spectrometer Sources

Since we first advertised this service in our January 1994 Newsletter, many of our customers have taken advantage of source cleaning service. This is NOT an exchange program. The same source that we receive from you, is cleaned, repaired and returned back to you ready to install into your mass spectrometer.

### 24 Hour Turnaround on Source Cleaning

For rush 24 hour turnaround, sources should be sent to S.I.S. via Federal Express or other overnight carrier. Once received, they will be cleaned and returned the next day via an overnight carrier such as Federal Express. Please include your purchase order. If your source is not one of the ones listed below, please include a copy of the manufacturers assembly instructions and schematic of the source assembly.

### Service Notes

Source cleaning begins with the complete disassembly of the source. The metal parts are cleaned and polished, then washed in solvents and baked out in an oven. All ceramics insulators are sandblasted followed by solvent washing and bake out. If broken most of these ceramics can be replaced at no extra cost. Vespel

insulators are washed in solvent and baked out. If old filaments are included on the source they are repaired at no extra charge.

Additional charges may be incurred if metal parts, source heaters, or filaments damaged beyond repair need to be replaced. If Vespel insulators are broken or missing, they will need to be replaced at an additional cost.

After all parts have been repaired, cleaned and baked out the source is reassembled. The filament is reinstalled and accurately aligned over the source hole. The source is checked for resistance leaks as well as visual alignment of all parts.

### Shipping in for Repair

Normally the source block and associated parts are shipped in for repair. The source should be thoroughly wrapped in packaging material and double boxed to avoid damage in shipment. If available, a copy of your source assembly/disassembly schematic from your mass spec manual should be sent in with your source.

The SIS cleaning method is described on our web site:

[www.sisweb.com/referenc/tips/msclean.htm](http://www.sisweb.com/referenc/tips/msclean.htm)

## Thermo Source Cleaning

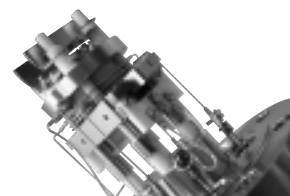
Thermo 4500/TSQ/SSQ 700 Source



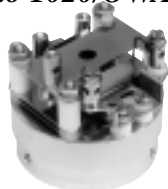
Thermo 3200/5100 Source



Thermo Delta Source



Thermo 1020/OWA Source



Thermo TRACE Source



Part No.	Description	Price ea.
REP79	Source Cleaning of the Thermo MAT 4500/TSQ/SSQ 700 Source	
REP78	Source Cleaning of the Thermo MAT 1020/OWA Source	
REP75	Source Cleaning of the Thermo Delta Source	
REP79	Source Cleaning of the Thermo TRACE Source	
REP79	Source Cleaning of the Thermo MAT GCQ Source	
REP75	Source Cleaning of the Thermo MAT 251 Source	
REP78	Source Cleaning of the Thermo 3200/5100 Source	
REP79	Source Cleaning of the Thermo DSQ & DSQ II Source	

\*When "Thermo" is indicated, it is intended to imply "Thermo Fischer Scientific Corp"

## Additional Mass Spectrometer Sources Repaired

In addition to the Thermo sources listed above, SIS can clean and repair sources from any other mass spectrometers. Call SIS with your requirements. We will clean and repair you mass spectrometer source.

## Ceramic Insulator Cleaning

S.I.S. offers cleaning services for ceramic source insulators. The insulators are first sandblasted with aluminum oxide, then with glass beads. This two step process thoroughly removes any contamination or carbon residue.

Part No.	Description	Price
REP98	Cleaning Up to 20 Pieces	
REP9H	Hourly Cleaning Rate	