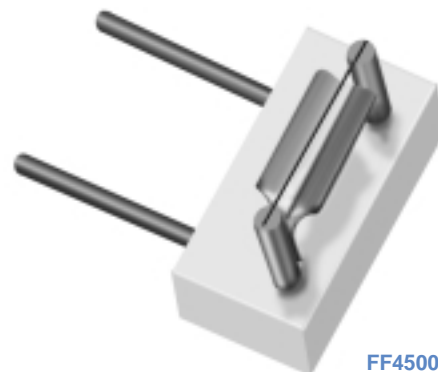


Thermo 4500/4600/TSQ® Filaments

These Thermo 4500/TSQ filaments designed by S.I.S.™, are similar to the original TSQ filaments but incorporate several design improvements. The round filament posts are stronger and will not flex as easily as the original posts, which caused the filament to sag. The shield is lowered to help eliminate a sagging filament from hitting it and shorting out. This filament should provide better performance and longer life than the original Thermo filament.

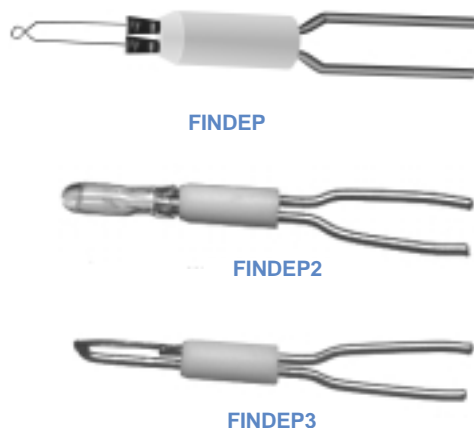
► **Tech Tip** - Filament Repairs are in Section A



Part No.	Thermo No.	Description	Price ea.
FF4500	40005-60140	Thermo TSQ Filament Quantity of 6 or more	

Thermo DEP Filaments

New Direct Exposure Probe filaments, Thermo #40060-98006, are available from S.I.S. for use on Thermo 4000, 4500 and TSQ mass specs. These are direct retrofits for the original plug-in filaments. Repair service, which includes ceramic insulator cleaning and attachment of a new filament loop, is also available.



Part No.	Thermo No.	Description	Price ea.
FINDEP	40060-98006	S.I.S. Thermo DEP Filament Quantity of 6 or more	
FINDEP1		DEP Filament with Large Loop Quantity of 6 or more	
FINDEP2		Glass Encapsulated DEP Filament Quantity of 6 or more	
FINDEP3		Ribbon Style DEP Filament Quantity of 6 or more	
FILREP		DEP Filament Repair 6 or more	

4500/4600/TSQ® Source Heater

The heater source for the Thermo 4500/4600 and the TSQ70, 700 (Thermo #400050-60270) includes 4 cartridge heaters, ceramic insulators, leads and connectors. Individual cartridges (Thermo #40005-98020) are also available should a cartridge burn out.

The heater assembly for the Thermo 4500/4600, TSQ can be repaired for _____. Extreme care must be taken when packaging this unit for shipping to S.I.S. Additional heater cartridges are easily broken off if not properly packaged. The heater assembly is not repairable if more than two heater cartridges are burnt out or need to be replaced.



Part No.	Description	Price ea.
HT7000	Heater Assembly for TSQ-70	
HT4500	Heater Assembly for 4500/4600	
SC181	Replacement Cartridge	
REP46	TSQ Heater Repair	

TSQ® is a registered trademark of the Thermo Scientific Corp.

TSQ FAB Tips

The FAB tips used on the TSQ (Thermo MAT#70001-20285) are available from S.I.S. In addition to the copper tip, we also have stainless steel tips and gold plated stainless steel tips. Some users have found these to be a better choice for some applications.

Part No.	Description	Price ea.
FINFAB1	TSQ FAB Tip, Copper	
FINFAB	TSQ FAB Tip, Stainless Steel	
FINFAB2	TSQ FAB Tip, Gold Plated Stainless Steel	



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